

THE
ARCHITECT
& BUILDING NEWS

IN THIS ISSUE

- HOUSE IN SURREY: INTERIOR
- NEW X-RAY DEPT., DEVIZES HOSPITAL
- R.F.H.: HEATING AND VENTILATION II

SEPTEMBER 6, 1951 · VOL. 200 · NO. 4316 · ONE SHILLING WEEKLY



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Architect : L. J. Couves & Partners, Carlisle House, Newcastle-on-Tyne, I.

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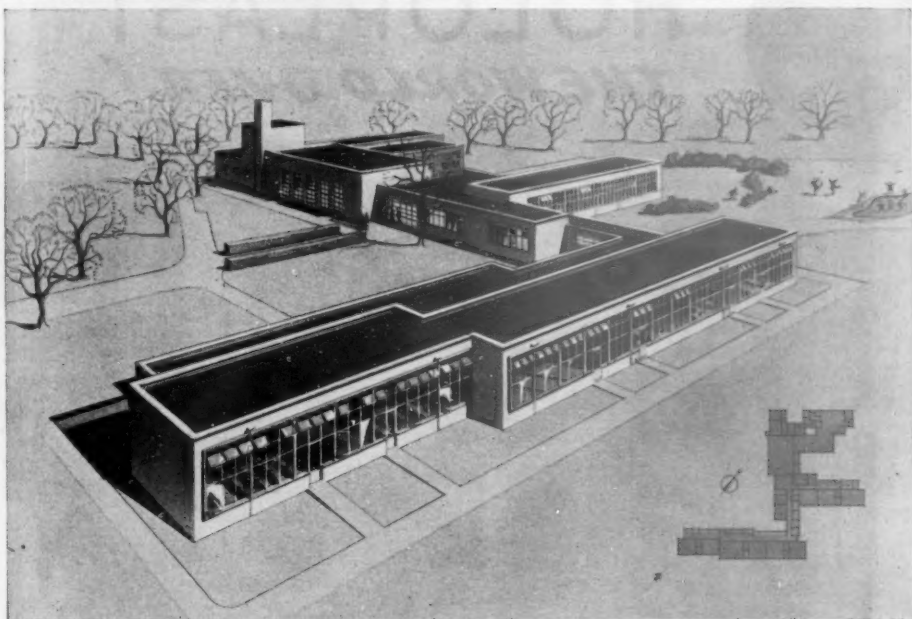
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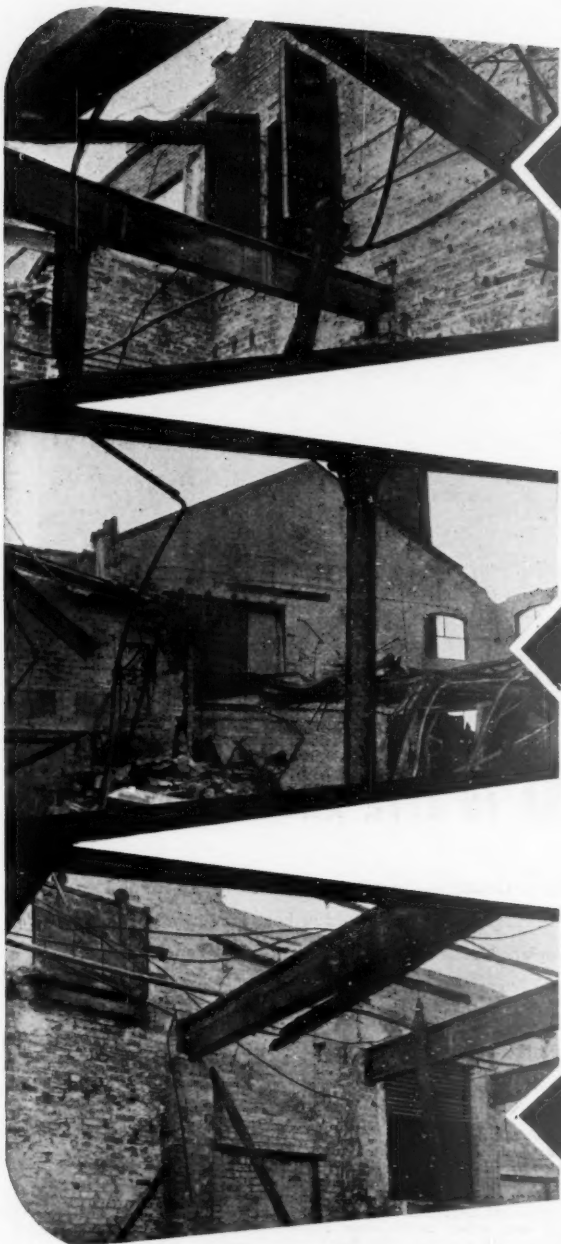
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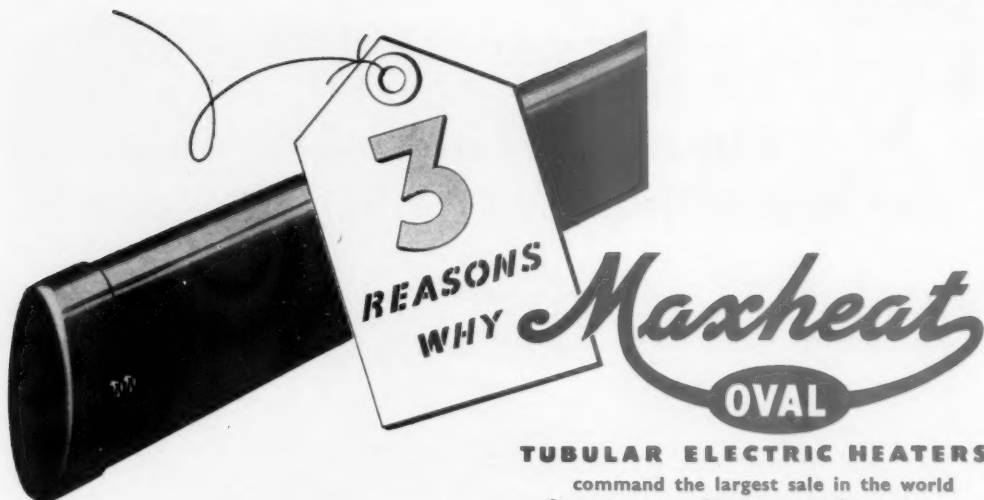
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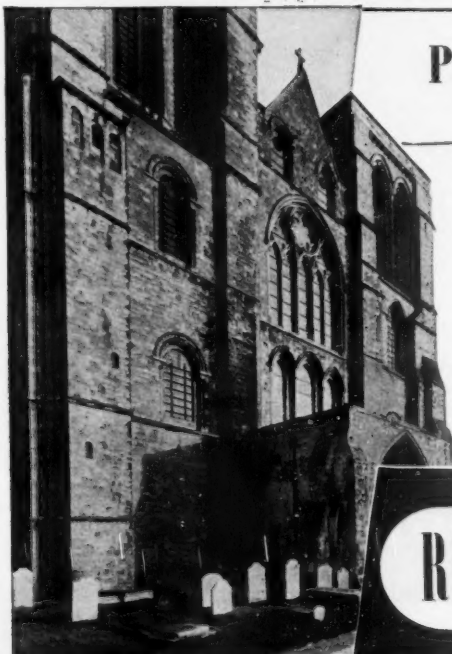
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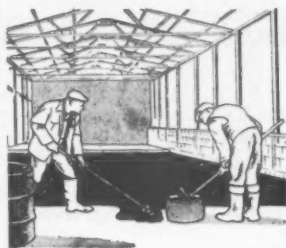
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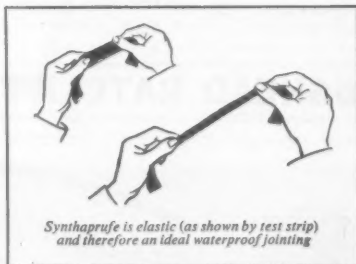


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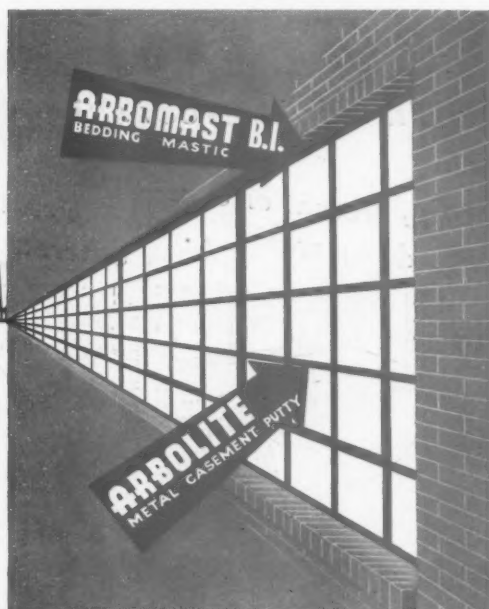
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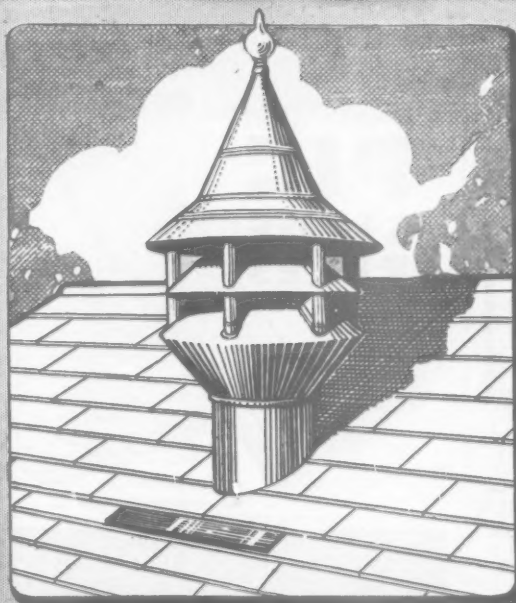
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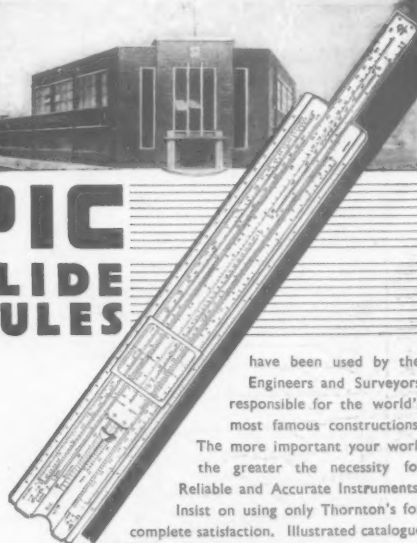
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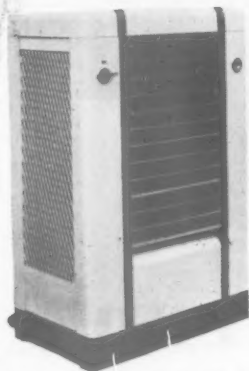
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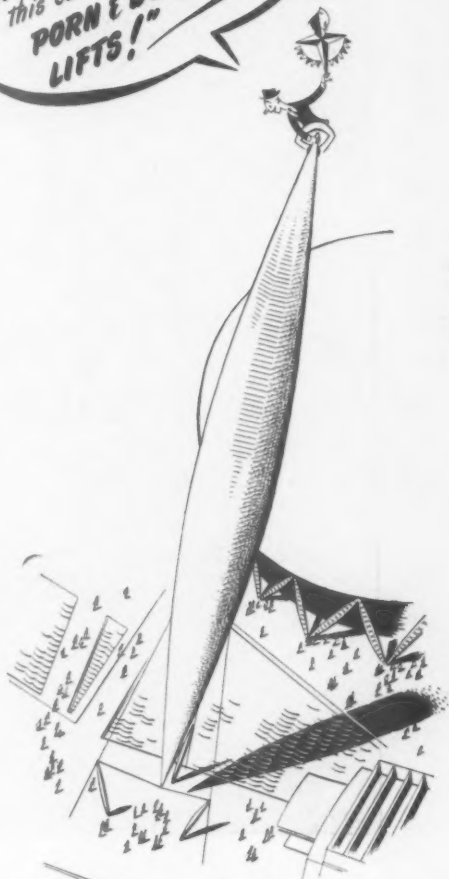
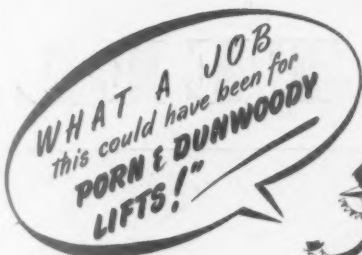
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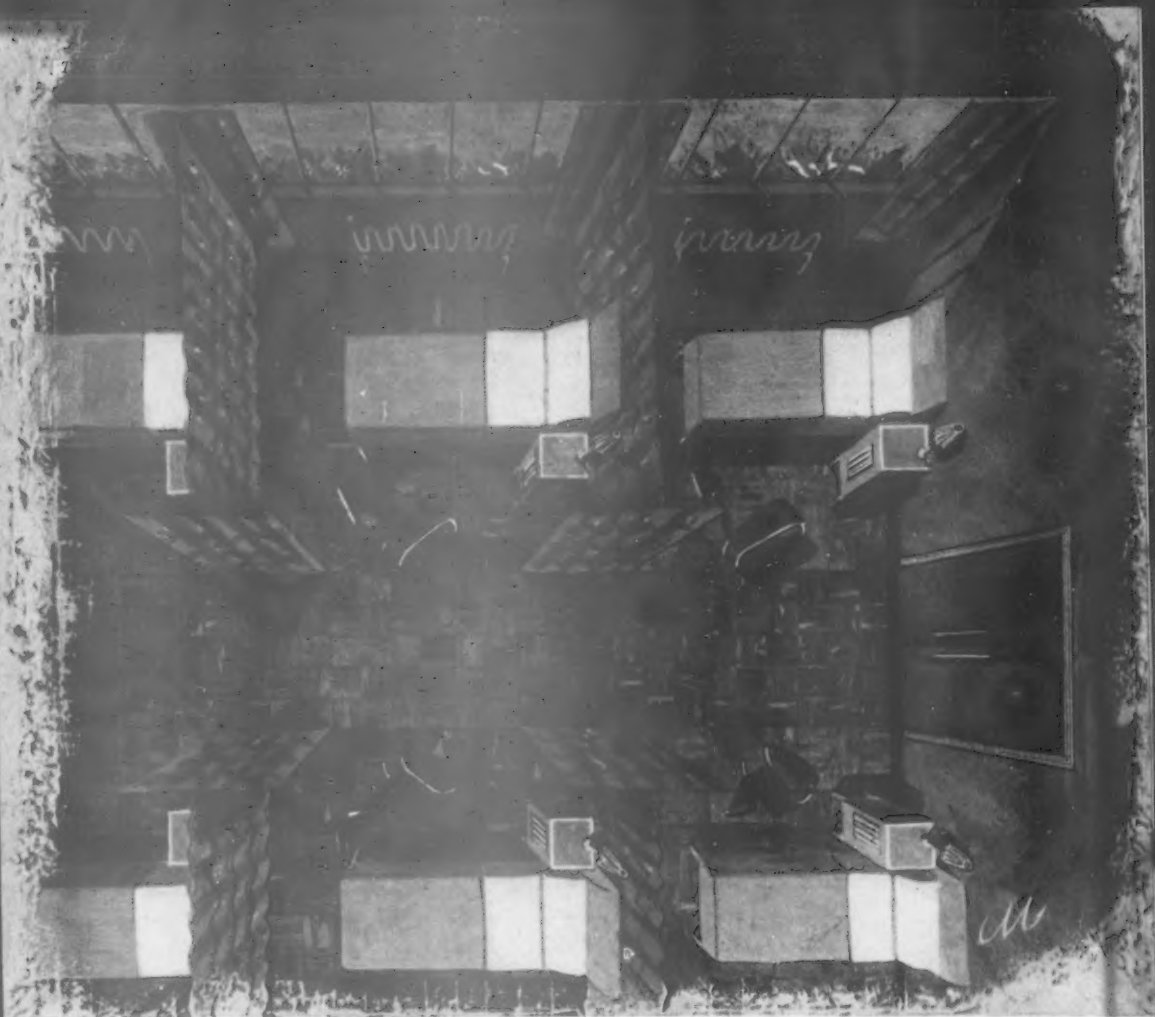
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THE
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September 6, 1951

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FURTHER EDUCATION

CURTAILMENT of the building programme for educational buildings is not being made an excuse by the Ministry of Education for delay in publishing suggestions for future buildings. Building Bulletin No. 5 has just been published by the Ministry and it is concerned with *New Colleges of Further Education*.*

The publication is called in the introduction "a preliminary attempt to examine the problems of planning and building new colleges . . . and to offer guidance on ways of overcoming them." So, although there is nothing binding or obligatory about this particular Government document, it is an opportune moment to place it before architects and committees. The present pause in this sort of building can be used to study the problems; always provided it is possible to get people, particularly those on committees, to do so when the subject for consideration is not immediate or urgent.

It may be well to remind some who may be less concerned than others what precisely is a College of Further Education. It is an establishment for full-time and part-time education, leisure-time occupation, cultural training and social and recreative activities for any persons, over school age, who may require such services. Buildings to meet these requirements must therefore be very complex in planning to provide so wide a range of facilities for so many kinds of people. In the past only technical schools have provided official further education; now to this has been added a cultural environment to the ends of wider vision and more balanced personality in the users.

It is obvious from this that the new college buildings must be considered as complex organisms which, in addition, must be adaptable to changing circumstances, and the latter must include localized interests

as well as national tendencies. Flexibility is, therefore, stressed by the Bulletin as an essential to be added to economy and compactness of planning. Building by instalments, not in any haphazard manner, but carried out to an initial master-plan laid down as far as may be possible from the start of the project, is stressed by the Ministry as an essential factor for the future. It cannot be too strongly emphasized, in addition, that to do this sort of thing it is necessary that teachers, administrators and architects work together at every stage of planning, from committee table to the final furnishing of the building.

The present Bulletin is aimed at bringing about this type of co-operation as well as providing a technical lead for architects. It is well done and contains much tabulated information of great importance. Its analytical manner and method is to be highly commended, if only for those who may not be technicians or who, being technicians, have little experience in this type of work. There may be some who carp at the somewhat elementary starting-point selected by the Ministry for its planning analysis; but the inclusion of these first principles of planning knowledge, apart from being a fashionable sort of approach (encouraged by the architectural schools for every subject until the repetition becomes boring) is, unfortunately, probably necessary, for a document such as this must cater (in spite of the schools) for the lowest common denominator of technical capacity if it is to be effective. The approach is doubtless further decided by the Ministry's own experience in "vetting" the many schemes which have, in the past, come before it for comment and approval.

Some hint of probable cost is given in the Bulletin; viz., 50/- per square foot for workshop units and 80/- per square foot for other units. This figure

*H.M.S.O. 3/0d. net.

presumably is an average one whatever the height of the buildings—multi-storied buildings with lifts are expected—and “it is suggested that these figures should not be exceeded.” There is, at the moment, no comparison between these figures and those for primary and secondary schools which are usually given on a basis of cost-per-place. This latter method would be impossible for a new college, because of the variable complexity of its accommodation. It would be of great interest and value if some common basis of comparison could be devised, for example, cost-per-foot-cube-per-floor.

This particularly well-compiled and useful document should be in the hands of all those interested in education and in educational buildings.

BUILDING APPRENTICESHIP

We have, in the past, commented on the dangers of allowing the shortage of properly trained building

apprentices to grow and, indeed, have laid some of the blame at the door of the Building Industry itself.

The latest contribution to this discussion comes from the Ministry of Works in a circulated warning that the Industry will suffer in the future from a serious shortage of apprentices unless vigorous action is taken and adds that the Industry should immediately and strenuously stimulate recruitment into under-manned crafts, especially those of Brick-laying, Plastering and Masonry. In spite of a slight increase in the intake, the full recruitment is still 20% below the target figure and the total number of craftsmen in the industry fell, between 1949 and 1950, by about 10,000.

The Minister has accepted the recommendations of the Report of the Building Apprenticeship and Training Council and in consequence has asked to be informed of the steps taken, by the Industry and others, in regard to the various recommendations. We might add that our two leaders of this week do not seem to be unrelated in urgency or in complimentary importance.



Balcony Access comes into the picture: The inhabitants of "Myrtle Gardens" flats listening to an open-air concert during the Festival of Liverpool.

EVENTS AND COMMENTS

COMPARATIVE ENTERTAINMENT

I am by no means a radio fan and I have no television set. I suppose that the march of events will force me to buy a television set one day just as my grandfather was forced to install a telephone. I need not bother you with the reasons for my lack of enthusiasm but you should know about it before I tell you that I have been to the Radio Show at Earls Court. The B.B.C., at the expense of the Radio Industries Council, has built a huge television studio on the first floor. You will find a description of this interesting but unlovely building elsewhere in the paper. Technically it is something of an achievement. I saw the studio at the tail end of a rehearsal of a variety show. My guide with breathtaking excitement pointed out all the tremendously important people who were moving hither and thither or just standing about waiting for something to happen. I did not hurt his feelings by saying that I had never heard of any of them. I must admit that I was depressed by what I saw. Technically and scientifically the whole thing was a marvel. The lighting, the cameras and their fascinating crane mountings—made in America—the communications, the concentration and co-operation of so many people, all combined to produce, what? A lot of wobble bum slap hands against a truly horrid setting in colours which were chosen I imagine for their photographic properties in black and white. In the control room I came across our old friend one-way glass. Now you know and I know that there is no such thing but do you think that I could persuade my B.B.C. guide that this was so? He merely said "you can't see in can you? But you can see out."

Describing my impressions of the small part of the variety show which I saw to a friend I was briskly informed that it was the best show he had ever seen, so you see I must be wrong.

Radio sets are and television sets will soon be essential pieces of furniture. At a radio show it is really only the appearance that can be judged, unless of course you are prepared to spend several days comparing them in the little booths upstairs. Most private individuals I am sure buy their radios on appearance. Perhaps this

is why some of the best-known makes continue to be hidden in Jacobean cases, and thick rich polish is to be seen everywhere. My impression is that there are fewer well designed cabinets than there were at the last Radiolympia. This may possibly be due to the fact that manufacturers found that there was "sales resistance" to some of the sets in cases of good contemporary design. Five years ago or even less I should have rushed round the stands eagerly looking for new details and display ideas. Festival year has dulled the senses a little but not so much that I did not notice the very good Phillips stand by Robin Day and on it some very pleasant looking sets.

From Earls Court I went to Battersea where, after watching some really excellent high trapeze performers, I attended Mr. Leonard Sachs' Song Saloon in the Riverside Theatre. What a charming little building it is and what a smooth gentleman is Mr. Sachs whose brand of entertainment seemed to me to be such a very great improvement on the television variety stuff. If you have not seen Mr. Sachs and his charming ladies and pathetic and gallant gentlemen then you should certainly go to Battersea.

THE AUSTRALIAN WAR MEMORIAL IN LONDON

You may remember that when a competition was announced some time ago for the design of a memorial to be placed near Australia House to commemorate Australians killed in the war I said that I thought it was a poor idea. The amount to be spent was quite considerable and there seemed to me to be enough memorials in the streets of London already. The competition has been held and has been won by Mr. George H. Paulin of St. Johns Wood, but the assessors do not consider that any of the designs reached the required standard. No action is to be taken to proceed with the construction of any of the prizewinners' entries. This arrangement suits me. Perhaps the Australian Government will have a better idea, meanwhile the designs are in Australia and no photographs are available.

THE ECONOMIC PINCH

An Architect, who wishes to remain

anonymous, has sent me a pathetic letter saying that he must stop subscribing to the A. & B.N. because he simply cannot afford it. He and his wife neither drinks nor smoke nor read *The Times*. He points out that the cost of everything except his services is going up. He has my sympathy and I am really touched by his letter. Many of us I imagine can see this state of affairs just round the corner. Mr. X has met it; may his circumstances soon change sufficiently for him and his wife each to have a copy of the A. & B.N.

L.C.C. PARKS

My comments on the L.C.C. parks coincided exactly with the appearance in the R.I.B.A. journal of a description, with photographs, of a scheme they have recently carried out at Sayes Court, Greenwich, where a small part of what used to be John Evelyn's garden has been freshly laid out as a playground and garden. I have not seen the garden and it is difficult to comment upon it without doing so. The buildings certainly look better than usual and the play room is an excellent idea. The plan of the garden, however, is not very imaginative and if the dotted areas on what I take to be lawns are future flower beds that is just what I think is wrong with L.C.C. planting to-day. The arrangement of seats, too, is dull and must to a certain extent impede the passage of strollers. Why cannot sitting areas be made away from the walking areas? Seats should be arranged for quiet repose not so that one has nothing to see except the people on the seat opposite. I like the wastepaper baskets.

TAPESTRIES

Mr. Basil Spence's intention of using a large tapestry as a background for the Altar at Coventry Cathedral has led to correspondence in *The Times*. Mr. G. L. Conran points out that tapestry in this country is subject to 66½ per cent tax while oil paintings are free of tax as are the first 70 exemplars of a lithograph. Imported tapestries are subject to 20 per cent duty before the purchase tax is added. This harsh regulation has already led to the decision to close the

Edinburgh Tapestry Company. There is no other organization to take its place and the individual master weavers who remain must be helped in some way or it will not be possible to obtain in this country the tapestry which Mr. Spence will require. In France, another writer points out, things are very different. The Gobelin factory is kept going by subsidies and government purchases. The British government has shown itself to be not entirely insensitive to anomalies of this sort. Let us hope that this correspondence will lead to some revision of the present exterminating taxation of tapestries.

FESTIVAL PRAISE FROM ABROAD

Did you see the letter in *The Times* recently from the Dutch architect W. van Tijen? He had been attending CIAM 8 and said that he had heard that the South Bank Exhibition was not sufficiently appreciated in England. He described the exhibition as a "splendid national, social, and artistic achievement." He said a good deal more and he said it very well. Many of us have been saying it ever since the exhibition opened and even predicted it before that. Perhaps the "down with the Festival" brigade will take more notice of foreign opinion but if they do it will be almost too late for there are only 24 days left.

PIGS, HENS AND RABBITS

During the war there was a defence regulation which said, roughly, that no one could prevent your keeping

hens, rabbits or, in certain circumstances, pigs in your back garden. This was a very useful regulation except that there was not much help from the Government when it came to getting the right food for the hens. Now everything has been changed. At least the name of the regulation has been changed from Defence Regulation 62b to section 12 of the Allotments Act, 1950. That is as far as it concerns fur and feather. Pigs is different and it seems to be up to the Local Authority to decide in each case. Local authorities are also empowered to deal with persons who keep hens or rabbits in "inadequate, unsightly or otherwise unsuitable structures to the detriment of the amenities of the district . . ." The domestic Poultry Keepers' Council and the British Rabbit Council—I would love to see them in session—will be pleased to give advice about suitable accommodation for hens and rabbits. Advice on pigs can be had from the Small Pig-keepers' Council. I have no idea what the height qualification for small pig keepers is. It is odd that these three Councils all working as it were in the same back yard should have their offices in London, Farnborough and Henley-on-Thames respectively.

CHARING CROSS UNDERGROUND

My pictures show Charing Cross Underground Station before and after treatment by Mr. Jack Howe for London Transport. No one will deny that it is very considerably improved. Well done, sir.

GOVERNMENT GEORGIAN AGAIN

Writing in the *Sunday Times* on "Building a House To-day" Mary Dunbar, after a reasonably accurate summing up of the situation facing the private house builder, says that she has heard of a case where the, I presume, local planning authority, rejected a scheme because it was not Georgian although the surroundings were late Victorian. Such a constructive piece of criticism is unusual in Local Authorities. The story ended happily but that is not the point, for Miss Dunbar then goes on to suppose that Neo Georgian may become the accepted official standard for private building. I do not think that there is any evidence that this is so. On the whole planning authorities dislike anything which is different from their normal surroundings. I know an architect who built himself a charming little house with a straightforward pitched roof and nicely proportioned windows in a country town. Members of the town planning committee have never ceased to regret passing the design saying what a pity it is not like all the rest on the estate of typical speculative semi-detached villas. I think that Miss Dunbar is also wide of the mark when she implies that some really good modern architecture is "stifled at birth" by present house building regulations. A great many private houses do not get built but not because of their "modern" elevations. Panels do interfere but I do not think that the menace is serious. Readers may disagree with me.

Charing Cross Station, Underground. (see above)



FIREGUARDS

Anyone who has visited the Health Exhibit at the South Bank has probably seen and been suitably horrified by the coloured transparencies of burned limbs. The open fire is still, in spite of considerable propaganda, the direct cause of many accidents, some of which are fatal. Children and old people are the main victims. In an effort to find out the average housewife's attitude to open fires and fireguards the Women's Advisory Council for Solid Fuel organized a survey during which nearly a thousand households were visited. The results may be found in Bulletin No. 10, just published, and available from the Council at 18, South Molton Street, W.1, price 6d. Rather less than half the people questioned always used a guard, and most of them did so for personal safety. Of those who never used one the majority said that they had never thought of it. As a prime example of muddled thinking one woman had had her house burned down when a child, through clothes on a fireguard catching fire. She therefore refuses to have one now. Many of the poorer people could not afford one, and many others would not use one because they did not like their appearance. Some people thought that a fireguard only made children play with fire more. The upshot of all this interesting and useful work was that there seems to be a case for providing adequate fireguards in Government housing but an efficient guard which is difficult for children to remove does not seem to exist. The Council has set about putting this right and three guards have been designed. My feeling is that fireguards are not by themselves enough. Parents and children must be better educated in fire risks. The Council's record of interviews shows that there is terrible ignorance about such things.

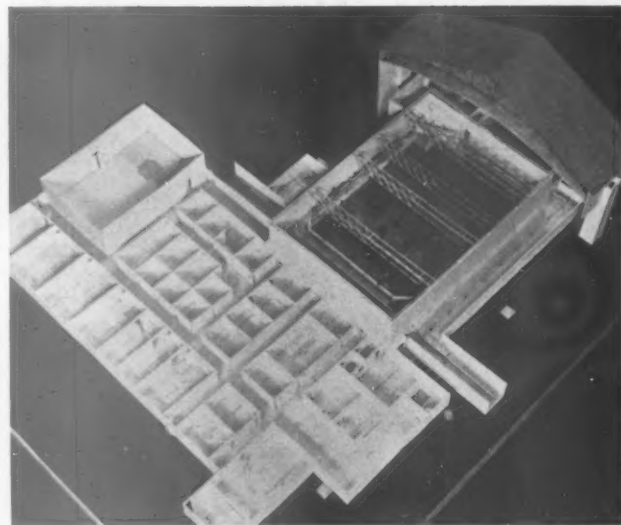
ABNER

ANNOUNCEMENTS

Julian Leathart & Tingay announce that they have taken into partnership, Mr. John Anthony Leathart, M.A., A.R.I.B.A., as from the 5th September, 1951.

The name of the firm will be changed to Leathart, Son & Tingay.

The firm hitherto styled Mauger &



The B.B.C. television studio at the National Radio Exhibition, Earls Court, together with sundry dressing and make-up rooms, stores and administration offices, was designed by Olympia Limited in collaboration with officials of the Radio Industry Council and the B.B.C., and is on the first floor of Hall "D."

Preliminary plans and specification were prepared in March 1951, and after discussions and minor alterations to the proposed scheme an estimate, based on working plans prepared by Brian Richardson, A.R.I.B.A., was accepted by the Radio Industry Council.

The size of the studio is 90ft long by 60ft wide by 25ft high, the construction being of R.S. stanchions, spreaders, lintels and tie beams (all as indicated on Messrs. Redpath Brown & Co. Ltd. drawings) with hollow external walls comprising external skin of 3in thick hollow clay blocks, bin air cavity and internal skin of 2in thick timber framed and ply faced partitioning. On three sides of the studio provision has been made for the public to circulate round a raised platform and watch the various rehearsals and programmes through double 1/2in plate glass observation windows. The floor is constructed of 1in stock boarded sections screwed to 3in x 2in joists and covered with good quality linoleum.

The ceiling is constructed of two 1in thicknesses of fibreglass laid on 1in mesh wire netting and with a hardboard overceiling. Four welded tubular steel beams, with a clear span of 60ft, act as partial intermediate supports to the ceiling but their prime object is to carry the special lighting fittings so essential to give a good picture. Further lighting equipment is carried on a cantilevered gantry running almost completely round the studio.

The control room, supported at first floor level on steel framing, is formed with two double ply faced partitions with a bin air cavity between each "skin" and a 2in timber floor bedded on fibreglass carries the necessary heavy technical equipment and personnel. The control room ceiling is covered with fibreglass and has a ply soffit and hardboard overceiling. Access stairs run from the studio and exit stairs discharge into the hall.

Ventilation intake is run from Earls Court Plenum system, and extract is by means of Vent-Axia fans at high level which discharge through baffled ducts into the structural roof void of Earls Court. The ventilation system has been designed to give approx. 15,000 c.f.m. of air at 55 deg F. to 60 deg F.

Electrical installation, totalling approx. 350 K.W. A.C. and 300 amp. D.C. installed load, carries studio, house, general and secondary lighting.

The ancillary dressing and make-up rooms, etc., are constructed in stock flush faced partitions and are fitted with make-up mirrors, benches, cupboards and similar furniture.

The principal subcontractors were:—

Structural Steelwork	...	...	...	Messrs. Redpath Brown & Co. Ltd.
Brickwork	...	...	...	Messrs. Byron & Panther.
Tubular beams and scaffolding	...	...	...	Messrs. Scaffolding (Gt. Britain) Ltd.
Ventilation	...	...	...	Messrs. Vent-Axia Ltd.
Decorations	...	...	...	Messrs. Mayfair Spraying Co. Ltd.

May, F.F.R.I.B.A., announce that Arthur May has retired from partnership, but remains the firm's Consultant.

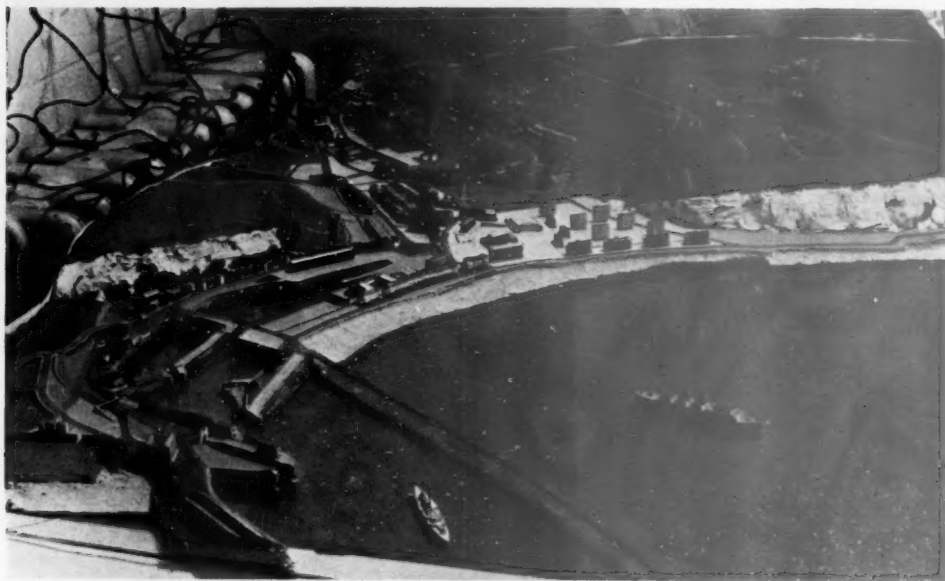
The partners in the firm now are: Paul V. Mauger, F.R.I.B.A., M.T.P.I.; Alick Gavin, B.A., A.R.I.B.A.; George Mathers, A.R.I.B.A.; John Mitchell, A.R.I.B.A.; who are continuing to practice from Parkway Chambers, Welwyn Garden City and 25, Marylebone Road,

London, N.W.1, under the title Paul Mauger and Partners.

COMING EVENTS

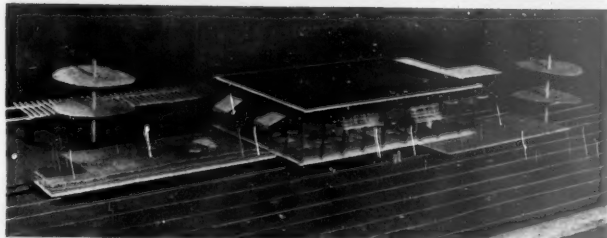
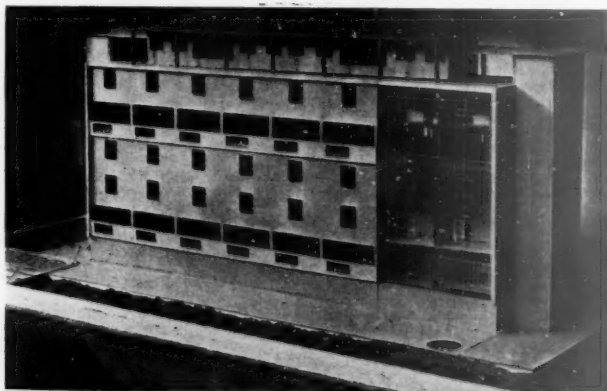
Department of Scientific & Industrial Research.—September 12-20th. 10 to 7 p.m. The Dry Rot & Woodworm Exhibition will visit The Art Gallery, Reading.

CITY OF CANTERBURY COLLEGE OF ARTS AND CRAFTS



School of Architecture: Annual Exhibition of Students' Work

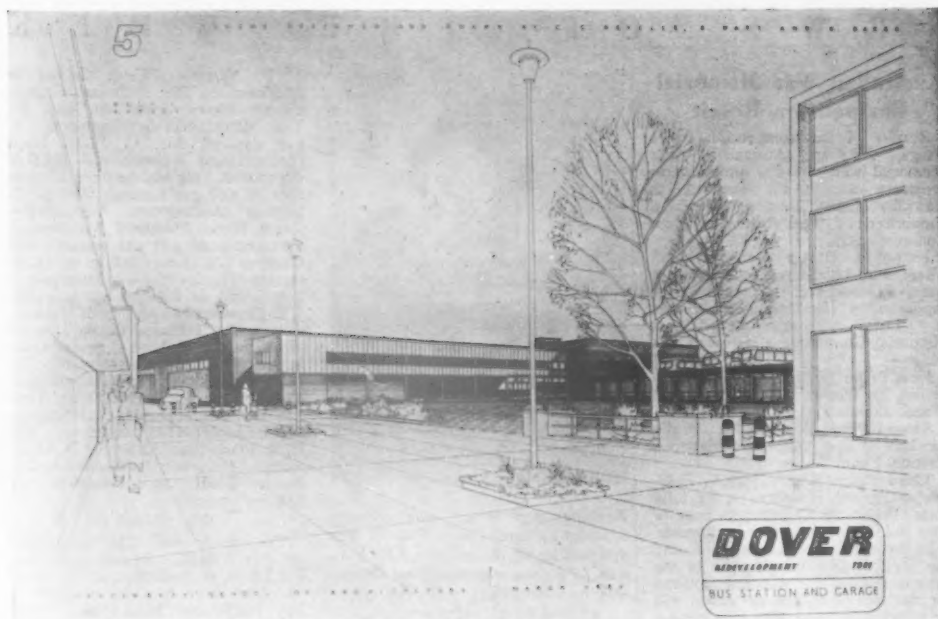
Models of Flats on Marine Drive, Dover, and of a Riverside Café.



The photographs illustrate some of the outstanding features of the work of the past session. The most interesting project has been one for remodelling the devastated central area of Dover. To restore the rateable values which are being lost to rural areas the scheme proposes the building of flats with "point" blocks at the centre and terrace types along the sea front. The latter have been designed with special regard for harmony with the very interesting 19th Century terraces which still survive. The scheme also includes reconstruction in the Market Place with a Departmental Store and Shops, a new Bus Station and Garage and a Variety Theatre.

The First Year have a lively show of work in basic forms and textures, while the Second Year make a special feature of work designed and executed as part of the City's Festival Exhibition. From the Fourth Year come models of projects for a University Hostel, a Riverside Café and an Hotel.

An Exhibition of the School's Work which is being shown at the Building Centre, London, closes on Sept. 8.



Redevelopment of Dover—The New Bus Station and Garage.



Canterbury School of Architecture : 4th Year—Country Hotel.

NEWS OF THE WEEK

Australian War Memorial Competition Result

Results of the competition for a design for an Australian War Memorial which it was proposed to construct outside the entrance to Australia House, London, have been announced by The Australian High Commissioner.

Fifty-nine entries were received. These were considered by a panel of Assessors whose recommendations were supported by The Designs Committee of The Australian Battlefields Memorial Committee and the awards were:—

First Prize: £A250: Mr. George H. Paulin, 25, Woronzow Road, St. Johns Wood, London.

Second Prize: £A150: Mr. Darsie Rawlins, "Red Tiles," Kingswood Avenue, Penn, Bucks.

Third Prize: £A50: Mr. E. Bainbridge-Copnall, Headmaster, Sir John Cass Technical Institute, School of Arts and Crafts, Jewry Street, London.

In the opinion of the Assessors and the Designs Committee, none of the designs reached the standard required for the memorial, and no action will be taken to proceed with construction of any of the prize-winning entries.

An announcement will be made later on the Government's proposals.

"Planning and the People" Conference

The Town and Country Planning Association is to hold a Conference at County Hall, London, on October 4th and 5th. The sessions will be 10.30-12.30, and 2.15-4.15. On October 4th, morning session, Professor W. G. Holford will speak on "Land uses and planned uses." In the afternoon Professor Gordon Stephenson will speak on "Hopes and fears for the London plans."

On October 4 at 7.30 a.m. in the ject will be "The planning authority and the public," speaker John Pearce, Secretary of Cornwall Council of Social Service. In the afternoon session a talk on "The child is the father of the plan" will be given by John A. Watson, Metropolitan Juvenile Court Magistrate and Past President of the R.I.C.S.

There will be a Conference Dinner on October 4th at 7.30 p.m. in the Royal Festival Hall, tickets one guinea from the Conference Organizer, Town and Country Planning Association, 28, King Street, Covent Garden, London, W.C.2.

The Minister of Local Government and Planning will be prepared, on receipt of individual applications from (a) any County Council, Metropolitan Borough Council, Urban District Council, and (b) any County Borough Council and non-County Borough Council, whose accounts are wholly



A village sign which was recently unveiled by Lord Cornwallis. It was designed by Mr. Mason Apps, A.R.I.B.A., A.M.T.P.I., and was made from Kentish Oak by local craftsmen. The centre painted panel is of aluminium.

subject to district audit, to sanction under the proviso to Section 288(1) of the Local Government Act, 1933, the payment by each authority of the reasonable and necessary expenses which may actually be incurred in connection with the attendance of not more than two delegates (a member and the appropriate officer) at this conference.

Hogarth's House

On September 24, the chairman of Middlesex County Council is to perform the reopening ceremony of Hogarth's House, Chiswick, which was presented in trust to the Council in 1909. In 1940 it suffered extensive bomb damage and had to be closed. The house has now been restored to its former condition as nearly as possible.

RIBA Maintenance Scholarships in Architecture

The Royal Institute of British Architects announce that the following Maintenance Scholarships have been awarded for the year 1951-1952: An R.I.B.A. Houston Maintenance Scholarship of £125 to Mr. Duncan S. Bremner, of Aberdeen; an R.I.B.A. Houston Maintenance Scholarship of £125 to Mr. Bryon E. Clack, of London, S.W.10; an R.I.B.A. Houston Maintenance Scholarship of £125 to Mr. Alexander G. H. Morrow, of London, N.6; an R.I.B.A. Houston Maintenance Scholarship of £125 to Mr. William B. Sidnell, of Wallington, Surrey. The Maintenance Scholarships previously awarded to the following candidates have been renewed: Mr.

J. F. Vergette (Welsh School of Architecture, The Technical College, Cardiff—Howe Green 4th and 5th Year Maintenance Scholarship of £40 per annum); Mr. C. E. I. Nops (Architectural Association—R.I.B.A. 4th and 5th Year Maintenance Scholarship of £60 per annum); Mr. A. G. Diprose (Architectural Association—Ralph Knott Memorial Maintenance Scholarship of £45 per annum); Mr. Geoffrey Hill (Leeds School of Architecture—Hartley Hogarth Maintenance Scholarship of £21 per annum); Mr. J. B. Crowther (Welsh School of Architecture, The Technical College, Cardiff—R.I.B.A. Houston Maintenance Scholarship of £125 per annum); Mr. D. G. Potter (School of Architecture, The Polytechnic, Regent Street, London—R.I.B.A. Houston Maintenance Scholarship of £125 per annum); Mr. H. R. Brady (Bartlett School of Architecture, University of London—The Builder Maintenance Scholarship of £68 per annum).

OBITUARY

The death has been announced of Mr. Ralph Restall Gardiner, F.R.I.B.A., of Awbridge, at the age of 65. The death has also occurred of Mr. Harbourn MacLennan, senior partner in the firm of Jenkins & Marr of Aberdeen. He was 80.

CORRESPONDENCE

Reader's Guide: English Cathedrals

To the Editor of A. & B.N.

SIR,—May I point out that Mr. Bryan Little's notice of the National Book League's Reader's Guide to *English Cathedrals* contains several misstatements of fact which must be due to careless reading?

He refers to "the authors" and "its compilers"; but I am the sole author and compiler, and alone responsible for the book's shortcomings. He complains that mention has not been made of "the works of such bodies as county archaeological societies, the Royal Commission on Historic (sic) Monuments . . . the Victoria County Histories." If he will turn to page 26 of the guide, he will find a section "Periodicals" which deals with precisely these points, and enumerates those cathedrals dealt with by the R.C.H.M. and by the V.C.H. All of these are cross-referenced under each cathedral in the "Monographs" section.

I entirely agree with Mr. Little that the possession of cathedral status is an architecturally false distinction; but the number of non-cathedral "Greater Churches" wholly or partly in use is so large (over 40, against 30 cathedrals dealt with in this guide) that "another page's worth" would have been utterly inadequate. The National Book League generously put up with an already over-length text as things were.

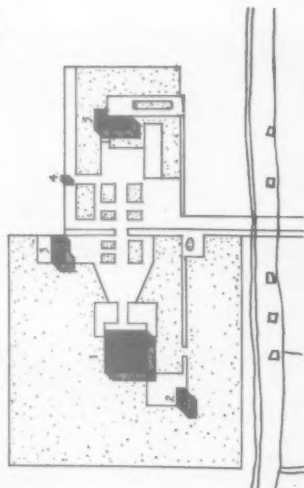
I am, etc., JOHN H. HARVEY.

View of the High Court of Justice

Preliminary Sketches for the Administrative Centre of Chandigarh, India

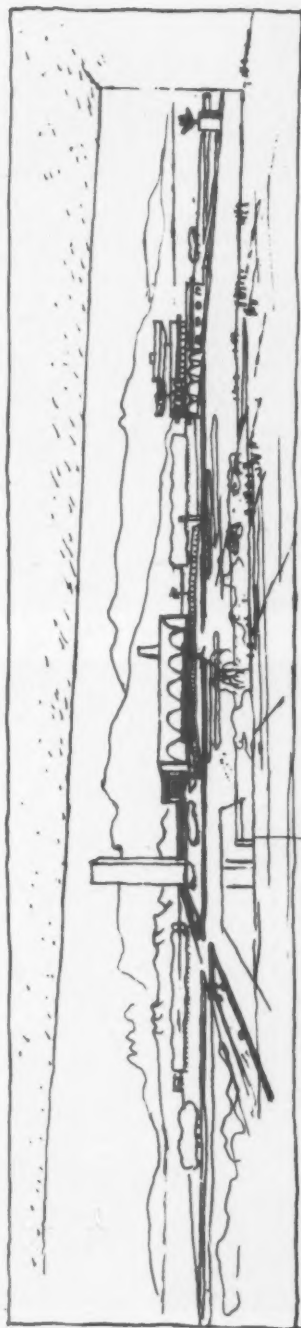
consultant: Le CORBUSIER
senior architects: E. Maxwell Fry and P. Jeanneret

Chandigarh, the new Government City of the Punjab, is planned for an early population of 150,000 rising to 500,000. It lies on a plateau on the lower slopes of the Himalayas and is traversed by a deep gorge, reserved as a recreational area. The Administration Centre stands north of the town at the head of the gorge.



KEY:

1. ASSEMBLY CHAMBER
2. SECRETARIAT
3. GOVERNOR'S HOUSE
4. MONUMENT
5. HIGH COURT OF JUSTICE



View of the Secretariat, Assembly Hall and Governor's House

3 mai 1951
L-C
vue du gorge

HOUSE IN SURREY FOR A. G. IMHOF, ESQ.

ARCHITECTS: TAYLER & GREEN, F.F.R.I.B.A.

THE LIVING ROOM

THE present room is only one third of its intended future size which will include the area of the adjoining present bedroom (enclosed by temporary partitions) plus a further piece still to be built. The whole room will be open as at present to the stairs and will be on two levels separated by three steps to be extended right across the room.

An internal "window" in the temporary partition between living room and bedroom adds both interest and space. A difference in the floor levels of the two rooms and the placing of this window at high level neatly ensures privacy in the bedroom.

* There is a dining space here as well as in the kitchen (see Plan).

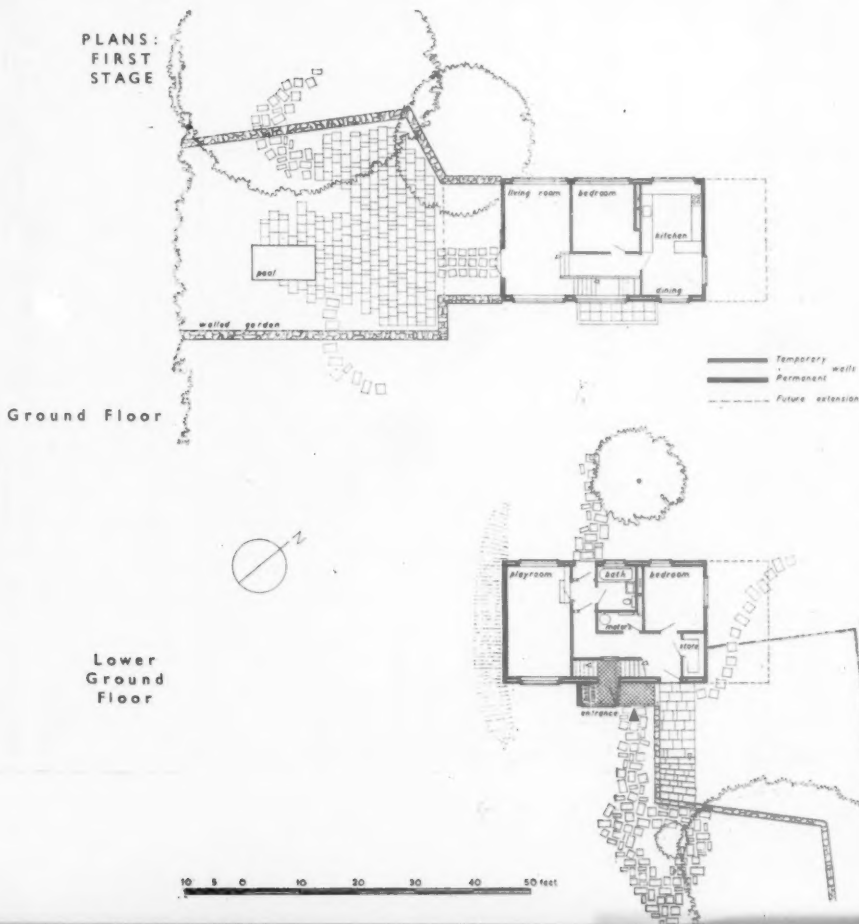
The outside windows have large areas of fixed glass in wood frames and opening portions are metal casements in standard sizes, a very economical solution. The casement doors are specially detailed in wood and external sunblinds are fitted into the heads of the south and west windows.

There is no open fireplace in the house at present though one will be built in the future extension to the living room. Heating throughout is by electric tubular heaters with separate thermostatic control for each room.

Colours: Walls and paintwork, white. Floor, Columbian pine ply squares. Curtains, grey and yellow. Chair fabrics, brown, white and red.

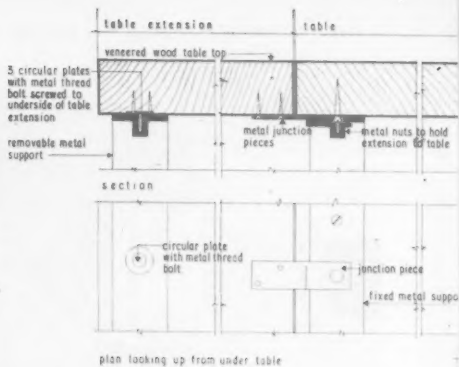
Fittings and furniture designed by the architects include shelving, dining table, window-seat, radiogram, television and standard lamp. The loose chairs are by Ernest Race or imported from Denmark.

The shelves seen on the extreme right in the top photograph on page 255 were designed by the architects. Loose shelves of mahogany span between fixed upright supports of sheet metal which are drilled with small holes to take metal pegs for holding each shelf at any level desired. The shelves are used for the owner's car racing trophies, gramophone records, ornaments and books. In the lower picture on page 255 can be seen the built-in television screen. Advantage was taken of cupboards in the adjoining bedroom to house the bulky works, and a polished copper surround flat on the wall is all that can be seen in the living room.





An article on this house appeared in "A. & B.N." of June 16, 1950



scale 0 1 2 3 4 5 6 7 8 9 10 inches

RADIOGRAM : With record player open.

An existing set was used and a new cabinet designed for it of far less bulky dimensions. The new cabinet is mounted on sprung castors and with its lower height can thus be operated from a chair in any part of the room. The loudspeaker was removed and fixed in the ceiling.

Materials used are grey hide to front, sides and back, mahogany veneer to gramophone lid and polished copper surround to radio controls. The holes for ventilation are lined with chromium collars.

DINING TABLE

The table top is of mahogany veneer inlaid with a pattern of ivy leaves in sycamore and ebony, this feature being kept in the middle of the table where it is not covered up at mealtimes. The legs are of brightly polished cast brass with incised vertical lines. A detail of the construction is given above.

All the details illustrated on these pages were designed by the architects.



ELEVATION

PRINCIPAL BEDROOM : Window to wood-land garden.

This bedroom will, when the house is extended, become a dining room open to the living room (which is three steps down from it) and also to the adjoining stairs. The large window in the garden, intended for the future dining room, has proved so attractive, that the owner has asked for the same feature when his future bedroom is built. The living room being at a lower level and the garden one storey down, there is little loss of privacy from the two windows.

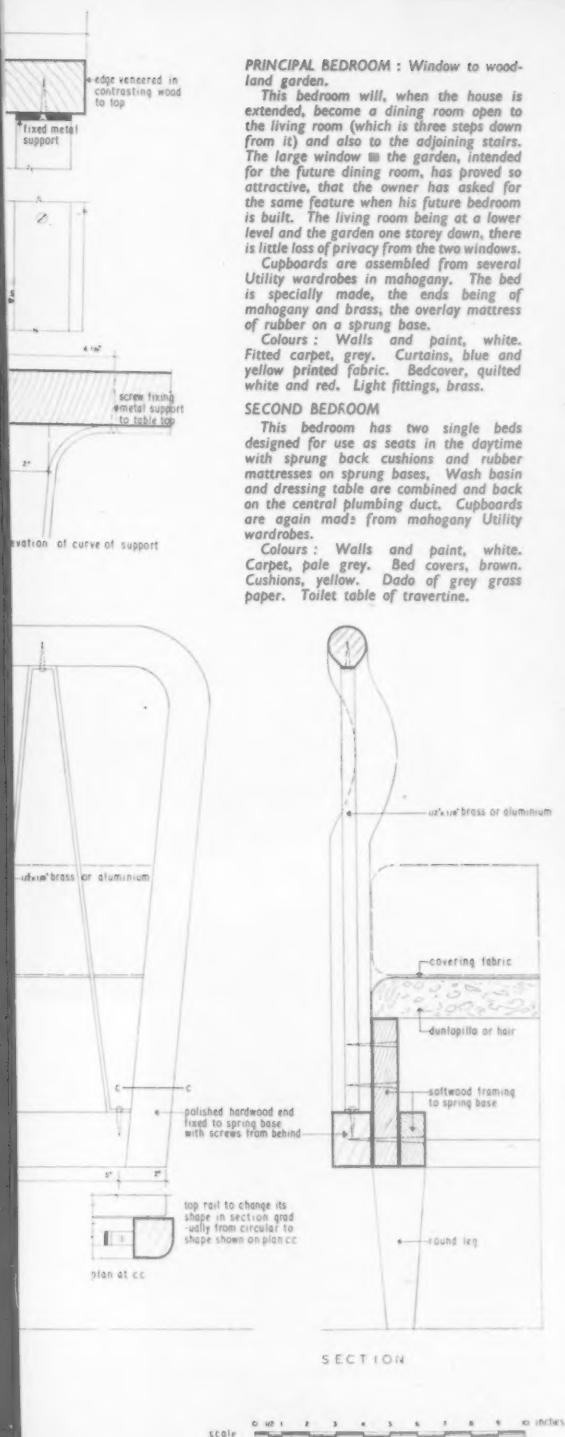
Cupboards are assembled from several Utility wardrobes in mahogany. The bed is specially made, the ends being of mahogany and brass, the overlay mattress of rubber on a sprung base.

Colours : Walls and paint, white. Fitted carpet, grey. Curtains, blue and yellow printed fabric. Bedcover, quilted white and red. Light fittings, brass.

SECOND BEDROOM

This bedroom has two single beds designed for use as seats in the daytime with sprung back cushions and rubber mattresses on sprung bases. Wash basin and dressing table are combined and back on the central plumbing duct. Cupboards are again made from mahogany Utility wardrobes.

Colours : Walls and paint, white. Carpet, pale grey. Bed covers, brown. Cushions, yellow. Dado of grey grass paper. Toilet table of travertine.





HOUSE IN SURREY

General Contractor: H. Firth & Co., Ltd., 128, Malden Road, New Malden, Surrey.

Sub-contractors and Suppliers for Interior:—

Veneercraft, Ltd., 18, Bedford Square, London, W.C.1: doors, inlaid dining table top, flooring. Wardle Engineering Co., Old Trafford, Manchester, 16: electric tubular heaters and thermostats. Shanks & Co., Ltd., 81, New Bond Street, London, W.1: sanitary fittings. Ideal Boilers & Radiators, Ltd., Gt. Marlborough Street, London, W.1: sanitary fittings. Williams & Williams, Ltd., Chester: metal windows. Dryad Metal Works, Sanvey Gate, Leicester: door furniture. J. Avery & Co., 81, Gt. Portland Street, London, W.1: sunblinds and venetian blinds. Heal & Son, Ltd., Tottenham Court Road, London, W.1: fabrics, carpets and rugs, upholstery, bedding, bedcovers, window seat, light fittings. H. G. Dunn, Ltd., Market Square, Bromley: furniture, light fittings, fabrics. Edinburgh Weavers, Cavendish Place, London, W.1: special printed fabrics. Bentalls, Ltd., Kingston - on - Thames: curtains throughout (making only). Alfred Imhof, Ltd., New Oxford Street, London, W.1: all electrical installations, special radiogram cabinet and television set, stair railings, living room shelving, light fittings, cupboard knobs, metal trim, hat and coat rack, bed ends. Whitbys, Ltd., 20, Eagle Street, Holborn, W.C.1: cupboards, brass legs to dining table. Ernest Race, Ltd., 22, Union Road, Clapham, S.W.4: chairs. Troughton & Young, Ltd., Knightsbridge, S.W.1: light fittings. Westland Engineers, Ltd., 8, The Sanctuary, Westminster, S.W.5: collapsible screen in playroom. Constance Spry, 64, South Audley Street, London, W.1: indoor plants. Hillier & Son, Winchester: indoor plants.

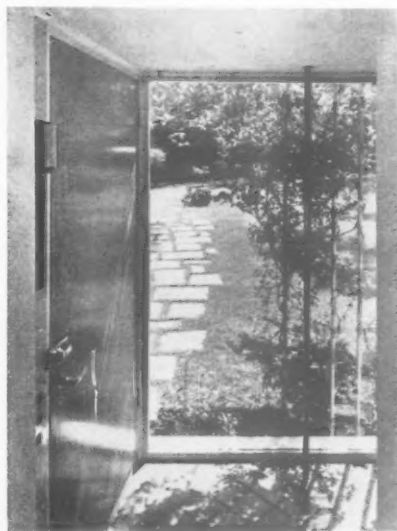
STAIRS AND LANDING

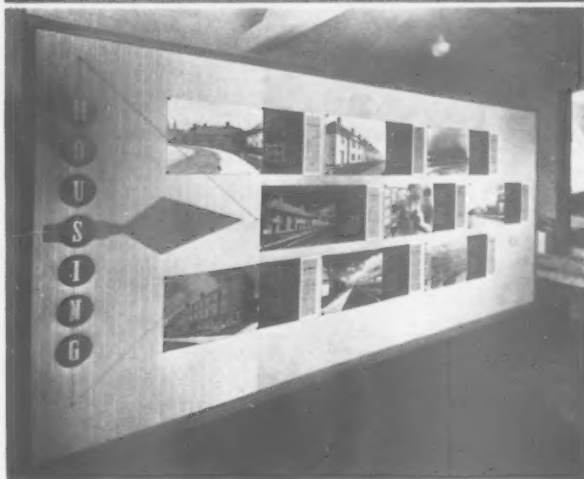
The stairs in this house have a greater importance than is usual, the living rooms being "upstairs," the garden being accessible from both "up" and "downstairs" and the point of arrival being midway on the stairs. The stair has not however been treated as an exhibition feature in a separate compartment but has been closely woven into the heart of the house, this being made possible only with central heating. On arrival one can see the living room at a slightly higher level and an internal "window" gives one a view into the lower hall. The upstairs landing with its balustrade is a part of the living room and faces south, an aspect not always justified for a staircase.

Colours: Walls and paint, white. Steps, red quarry risers and mahogany treads. Landing carpet, grey. Balustrade, mahogany and white stoved metal. Newel, polished copper.

ENTRANCE LOBBY

The entrance lobby is on a half landing of the stairs due to the existing ground slopes round the house. There is a single sheet of fixed glass facing south, partly screened by climbing plants supported on metal posts outside the glass which are echoed inside by the posts for hat and coat rack and door stop. Climbing plants are Japanese honeysuckle and large flowered blue clematis.

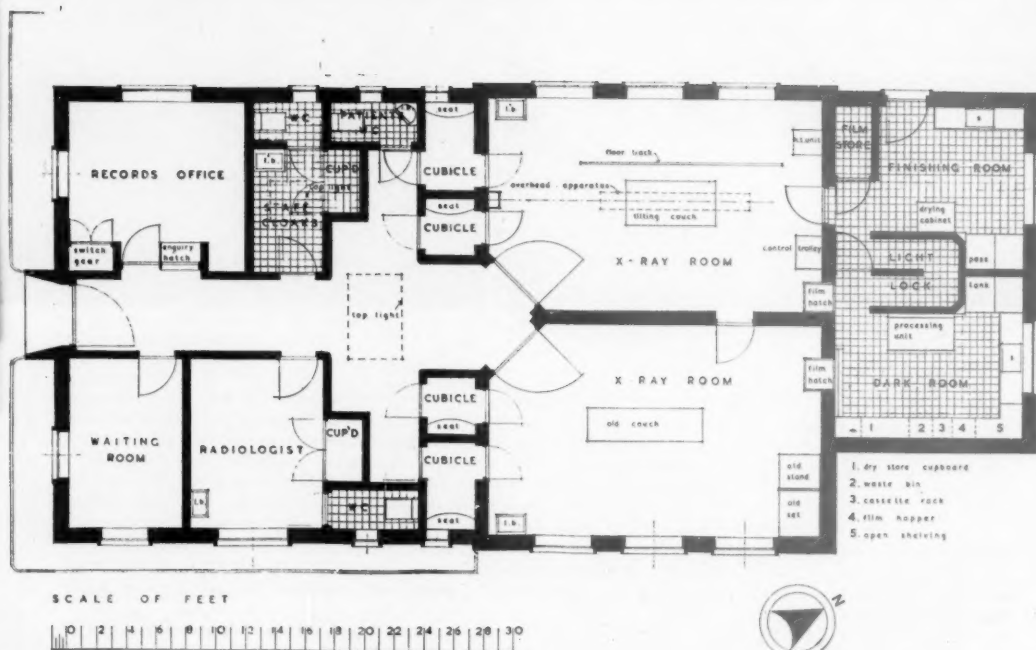




LIVERPOOL'S LIVE ARCHITECTURE EXHIBITIONS

AS part of the Liverpool Festival, the Housing Committee decided to stage two Live Architecture Exhibitions, not only to show visitors to the City what was being done in the Housing Drive but particularly to explain to the tenants of the chosen areas just what is meant by community planning and how much has been achieved to date. One Exhibition was at Evelyn Street, a central redevelopment area, where plans and models were on display to show to the inhabitants of the area what was contemplated both for the immediate and distant future. At the Speke Estate the Exhibition was housed in the old Smithy building, one of the few old buildings remaining within the boundaries of the new estate, and an effort was made to show how Speke had rapidly developed in the post-war years into one of the best examples of a planned community. In addition to featuring the housing development at Speke, where over 4,000 houses are already tenanted, the Speke Factory Estate, sponsored by the Corporation, was given prominence and the Industrialists co-operated by supplying details of the wide range of products which they manufacture and which so many tenants of the Estate assist in producing. The educational, religious and recreational sides of communal activities also found a place in the Exhibition so that it constituted a comprehensive panorama of what planning means to the individual of the area and showing the parallel growth of housing, industry recreation, shopping facilities, and other public buildings.

During the Liverpool Festival, the Housing Committee co-operated with the Festival Society in producing a series of open-air concerts in the courtyards of the larger blocks of flats in the Central Area of the City. Whatever may be thought of balcony access for large blocks of flats, they certainly provided excellent grandstands for many thousands of spectators during the three weeks of the concert series, at which concerts many thousands of the families in the poorer quarters of the City enjoyed a really festive evening.



DEVIZES AND DISTRICT HOSPITAL NEW X-RAY DEPARTMENT

for the Mid-Wilts Hospital Management Committee

ARCHITECTS: SNAILUM, HUGGINS & LEFÈVRE, F.I.A.R.I.B.A.

THIS building was designed to replace the previous inadequate accommodation for diagnostic work within the main hospital building.

The site was very restricted and it was necessary to provide a Covered Way linking the main building with the new X-ray Department and the separate existing Physiotherapy block, at the same time providing a separate entrance giving direct access to the X-ray Department.

The Department is normally operated by a staff of two Radiographers and an Office is provided for Enquiries, Records and Administrative work, and there is a staff locker room with lavatory accommodation adjoining.

On the opposite side of the corridor is a Waiting Room and Radiologist's Office with separate lavatory accommodation, examination couch, surgeon's basin and fitment for viewing screens.

There are two X-ray rooms approached by ambulant patients through dressing cubicles, the doors on the cor-

ridor side being fitted with indicator bolts and those on the X-ray room side being openable from the X-ray room only. Both cubicle doors open out to provide access in case of a fainting patient and all cubicles are fitted with built-in seats, toilet mirrors and shelves. There is a separate patients' lavatory accommodation opening off the corridor.

Approach to the X-ray rooms by stretcher cases is through single doors 4ft wide.

The X-ray rooms themselves are each fitted with surgeon's basins, dark blinds for screening, light-proof film hatches to Dark Room and mechanical extract ventilation. Red lights are fitted immediately outside each X-ray room door to indicate when screening is in progress.

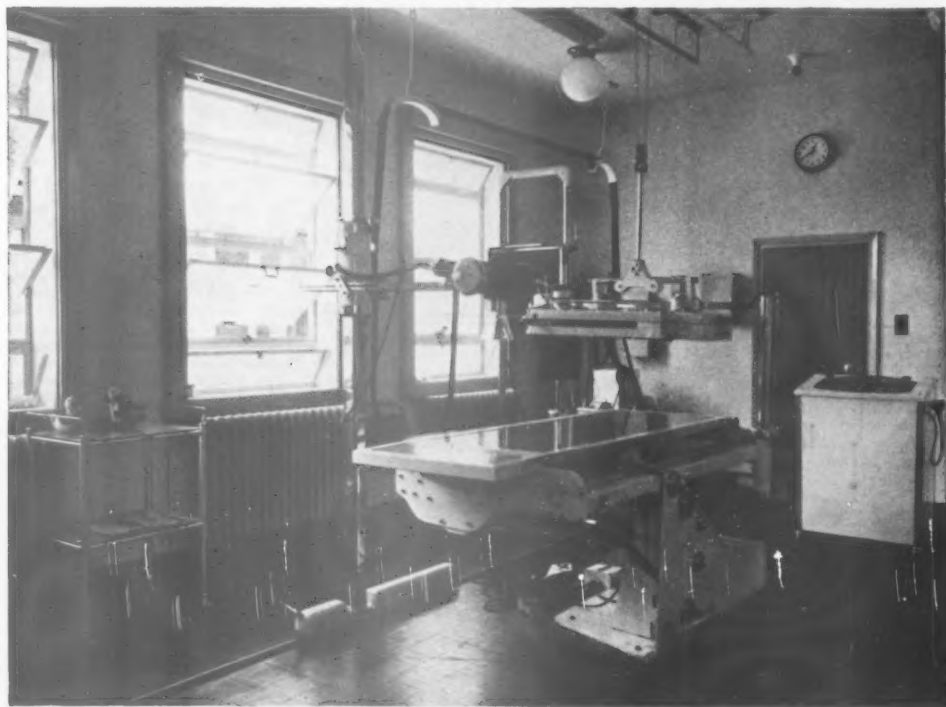
The Dark Room and Finishing Room are also fitted with light-tight blinds and mechanical ventilation. The Dark Room is approached from the Finishing Room through a light lock

finished in matt black paint with luminous paint guide lines. The pass door in the light lock is openable only from the Dark Room side.

The Dark Room contains a developing unit and light-tight pass washing tank for passing films to the Finishing Room. There is also a sink, shelf and cupboard unit containing a film storage bin, cassette rack and wastage bin. The film storage bin is fitted with an automatic switch which switches off white light before it is opened. There is also a safety switch in the Dark Room positioned at high level which has to be operated before white light is available.

The Finishing Room, which is also used for the preparation of barium meals, contains a sink, electric film drying cabinet and bulk apparatus store.

Walls between the two X-ray rooms and between the X-ray rooms and Dark Room and Finishing Room are treated with barium plaster and doors in these walls are constructed with a





Devizes and District Hospital: New X-Ray Department, view from the entrance looking towards the X-Ray Room.

lead sandwich with lead lining to jambs. All doors are in flush birch with anodized aluminium furniture.

Floors are in Granwood and Quarry tiling and door names are in cut-out Perspex letters, and walls, ceilings and paintwork are finished in distinctive colour schemes.

The building is heated throughout by low pressure radiators operated from a steam calorifier in the main hospitable boiler house and all main pipe runs are in underfloor ducting. Hot water supply is also taken from the main boiler house.

The construction of the building is in load bearing cavity walls faced externally with local honey-coloured facing bricks with precast stone dressings. Roof slabs are in "Bicrete" beams finished with asphalte on insulating screed with Lenscrete skylights.

Administrator and Secretary to the Mid-Wilts Hospital Management Committee: Miss Ruth Maddox.

Architects: Snailum, Huggins & Lefèvre, F./A.R.I.B.A.

Assistant in Charge: A. J. Creyke.

General Contractors: L. Maslen & Sons, Ltd.

Clerk of Works: L. Carnell.

Heating and Electrical Consultants: Williams & Reece-Robinson.

General Foreman: Mr. Gye.

Heating Contractor: G. Applegate & Sons.

Electrical Contractor: L. Bush & Co., Ltd.

Bricks: Devizes Brick & Tile Co.

Roofing Beams: Bristol Stone & Concrete Co.

Asphalte: Western Trinidad Lake Asphalte Co., Ltd.

Metal Windows: The Crittall Manufacturing Co., Ltd.

Dark-room Fittings, Lead-lined Doors: Newton Victor, Ltd.

X-ray Equipment: Solus-Schall, Ltd.

SHORTAGE OF PROPERLY TRAINED BUILDING APPRENTICES

Building Apprenticeship and Training Council's Report to Minister of Works

A REPORT made by the Building Apprenticeship and Training Council to the Minister of Works states that the Building Industry is likely to suffer in the future from a serious shortage of properly trained apprentices unless vigorous action is taken.

The Report is based on a census of apprentices held in May, 1950, as part of the general census held annually by the Ministry of Works to secure statistical information about building undertakings. For the first time the Council has been able to view comprehensively apprenticeship in the country.

The B.A.T.C. considers that its present targets are still a sound guide for the Industry, and makes three main recommendations for ensuring an adequate supply of properly trained apprentices, sufficient to meet the needs of each craft:—

(i) That the Industry in the worst affected areas should immediately and strenuously stimulate recruitment into undermanned crafts, especially bricklaying, plastering and masonry. Close co-operation is advocated with educational authorities in the provision of facilities for vocational and technical training. The need is stressed of advising parents of special opportunities in certain crafts.

(ii) That employers should give fuller support to the Industry's National Apprenticeship Scheme, as it appears that in many areas boys cannot find satisfactory apprenticeships.

(iii) That every apprentice should be properly indentured and registered with the Council as receiving approved training.

The B.A.T.C. confines its review of the apprentice census to the information supplied by the firms in the 13 trades which mainly comprise the Building Industry, and to which the Building Apprenticeship and Training Council targets relate.

The Report reviews apprenticeship under four headings, and its conclusions, with the relevant statistics, are summarized below:—

An increase from August, 1949, to May, 1950, is noted with satisfaction, but the figure remains well below the Building Apprenticeship and Training Council target, and the Council stresses the need for further apprentices if the Industry's labour force is to be sustained with sufficient competent craftsmen for the building programme.

B.A.T.C. target Aug. 1949 May, 1950
110,000 83,000 88,000

Carpentry and joinery and plumbing continue to attract an unduly high proportion of boys, and this is contributing to a lack of balance in the apprentice force.

The Industry's National Apprenticeship Scheme provides for every apprentice to be properly indentured with a written agreement governing his conditions of training. The census return could not in any event show 100 per cent of the boys as indentured, since many will necessarily be serving

a probationary period of up to six months before they can be indentured; this factor, however, does not account for about half the apprentices being shown as not having a written agreement of apprenticeship. While the Council recognizes some recent improvement it stresses that much re-

mains to be done by firms in the Industry in implementing the Industry's own National Scheme. Figures of indenturing were:—

August, 1949—55.8 per cent indentured.

May, 1950—57.3 per cent indentured.

RESTORATION

Llwyd Mansion

OSWESTRY

architect:

LEONARD J. MULTON, F.R.I.B.A.

LWYD Mansion, situated at the junction of Cross Street and Bailey Street in the centre of Oswestry, is a three-storeyed half-timbered building about 3½ Centuries old. The exact date of its erection is thought to be 1604. Originally a town dwelling house of some pretensions, it has for some time been used for shop premises and is now owned by Messrs. Bradleys, the well-known Oswestry Drapery Stores.

When the building was first inspected it was found to be in a bad state of repair. The existing shop fronts were unsuitable for modern window display and out of keeping with the character of the building. Extensive restoration was therefore carried out. The interior has been entirely replanned, provided with fitting and workrooms and modern cloakroom accommodation. This has been achieved without interfering with any of the half-timbered work which, where found covered with plaster or wallpaper, has been exposed, adding considerably to the character of the interior. In order to increase and preserve the stability of the structure a number of steel columns and steel joists have been inserted but have been disposed in such a manner as to be entirely concealed from view.

Where the external half-timbered work was found to be defective, new timbers have been carefully inserted. This new work is in English Oak and has been adzed and stained to make this indistinguishable from the original timbering.

New shop fronts have entirely replaced the old and have also been executed in English Oak. Name signs and blinds have been excluded from these shop fronts and the character of the timber construction of the original building is maintained by the new work which has been executed in the best traditions of English craftsmanship.

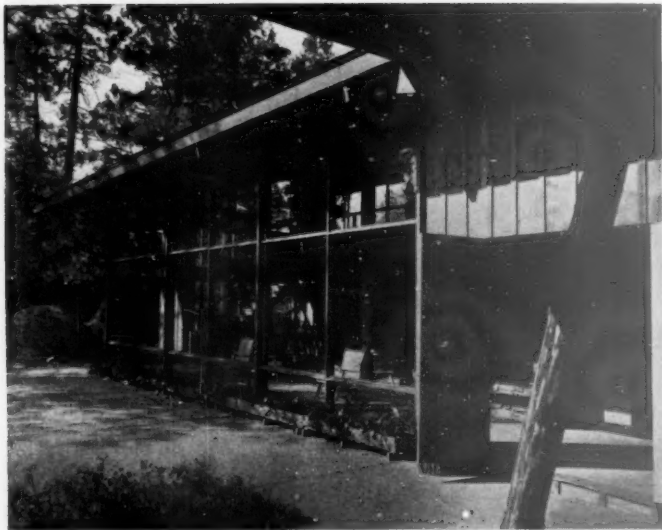
This building is scheduled by the Ministry of Works as one meriting preservation and it is pleasing to record that the Ministry has given all the necessary assistance and licences to enable the work to be worthily carried out.

The Local Authority arranged for street signs to be resited, which greatly improved the appearance of the building as a comparison of the photographs will show.

CONTRACTORS

Shop Fitters	...	Samuel Elliott & Sons Ltd.
Building Contractors	...	Felton & Kempster.
Electrical work	...	A. Cundall.
Heating installation	...	Norris Warming Co. Ltd.





Arts Centre

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Dean of School
of Architecture*
ARTHUR B.
GALLION

Below : View of the Patio Theatre from the North Studio





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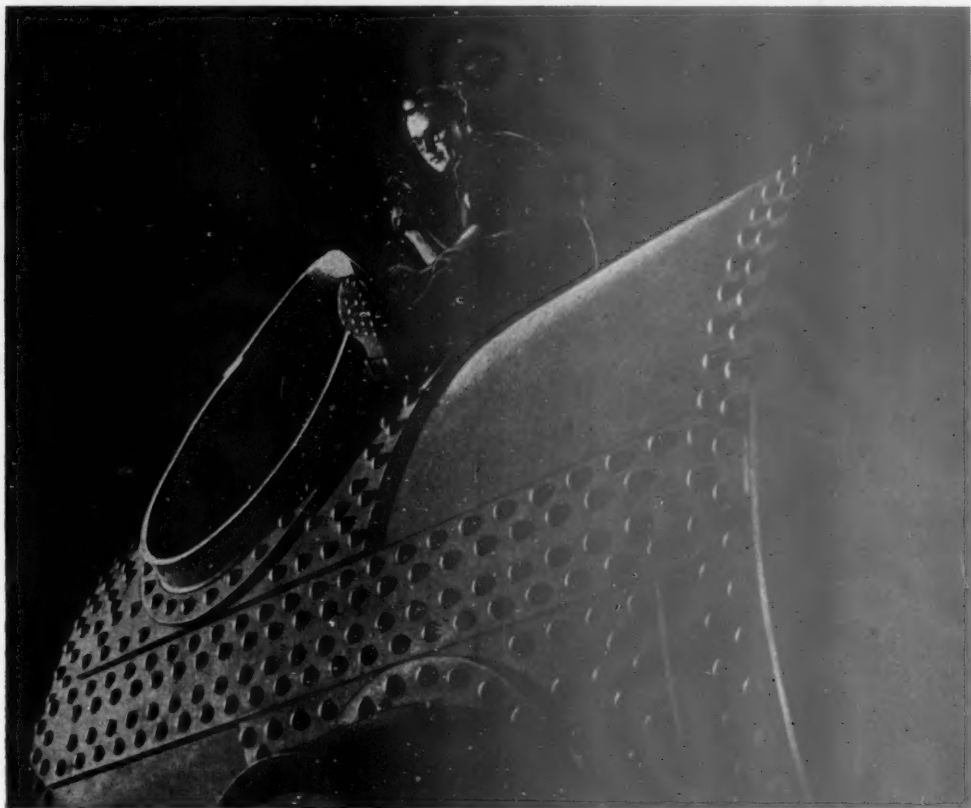
Consult the Technical Sales and Service Department at St. Helens, Lancs., or at Selwyn House, Cleveland Row, St. James's, London, S.W.1. Phones: St. Helens 4001, Whitehall 5672. Supplies are available through the usual trade channels.



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craftsmen, and here, most likely, will work their sons and grandsons. And everything that leaves these workshops carries with it this spirit—this background. *At Newton Chambers every present-day development rests on the sure foundation of 158 years of hard-won experience.*

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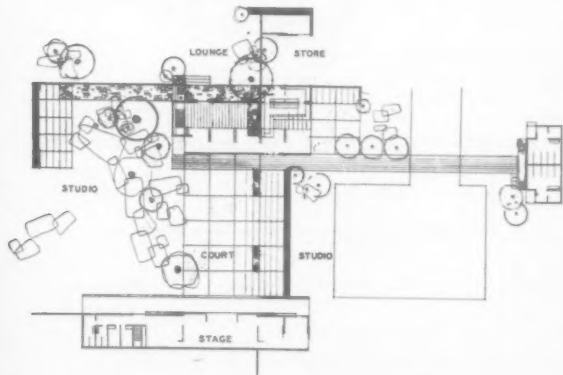


Office and Seminar Room

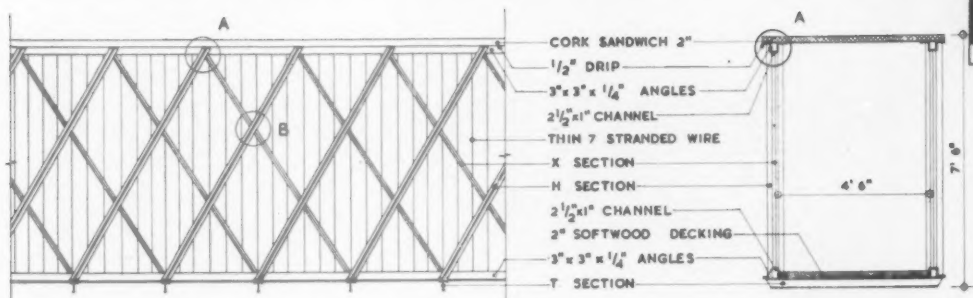
The present buildings are the first units of a school to be developed on a 250-acre site. Present facilities consist of an outdoor music amphitheatre, art centre buildings, sculpture, ceramics and music studios.

The art centre buildings incorporate outdoor sheltered studios, stage and workshops defining a central court. The latter is closely integrated with natural site elements, rocks, pine, cedars and manzanitas. The open plan of the building allows maximum freedom for changing educational programmes.

Local building techniques and the use of native materials, structural fir, stone and pine board siding, have tied these contemporary buildings to the local mountain village.

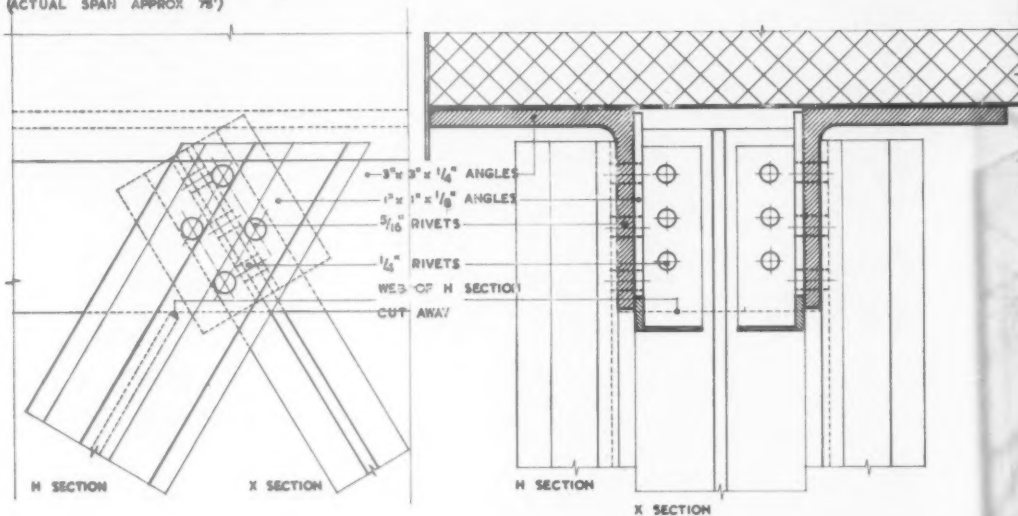


Corner of the Lounge



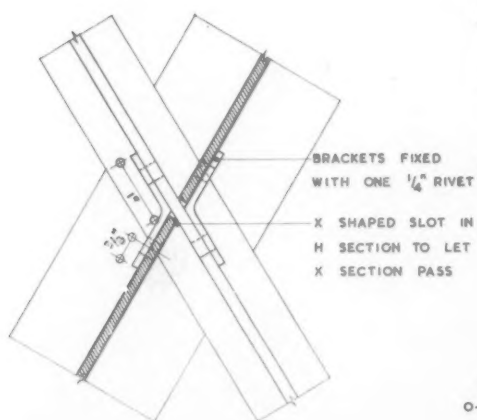
PART ELEVATION. SCALE: $\frac{1}{4}$ " TO ONE FOOT
(ACTUAL SPAN APPROX 75')

CROSS SECTION

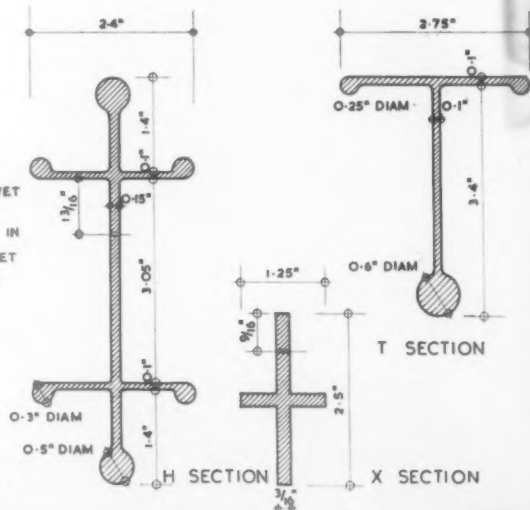


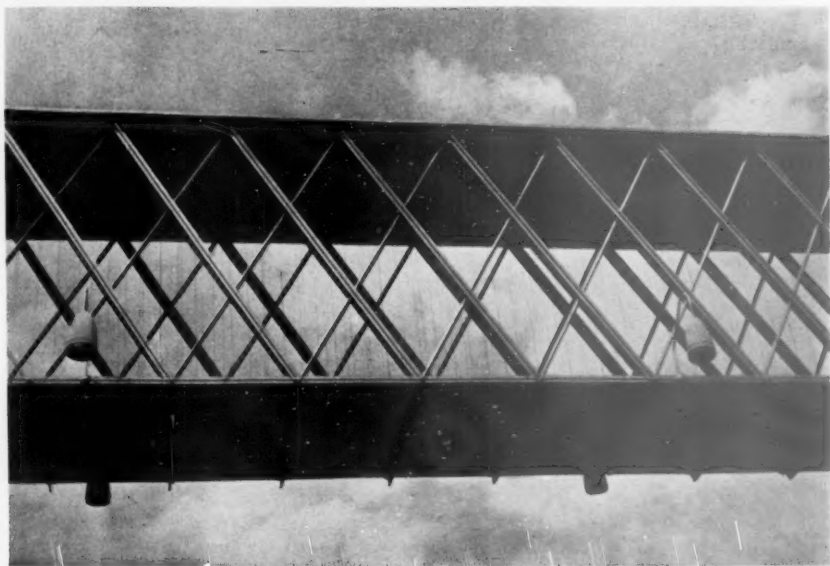
DETAIL AT A - ELEVATION SCALE: HALF FULL SIZE

SECTION A



DETAIL AT B - SECTION SCALE: HALF FULL SIZE





ALUMINIUM BRIDGE: UPSTREAM SECTION, F.O.B.

ARCHITECTS: CO-OPERATIVE PARTNERSHIP

OVE ARUP AND PARTNERS: ENGINEERS

THE VERSATILITY OF STEELWORK



This massive steelwork is for the new Blackwall Point power station and incorporates the coal bunkers.

*Consulting Engineers:
Merz & McLellan.
Photo by courtesy of B.E.A.*

In contrast with this is the slender structure in the lower view, of a factory for the Durham China Co. Ltd. It is reproduced by courtesy of North Eastern Trading Estates Ltd. The completed building is 600 ft. long and consists of three clerestory spans and a transverse bay, with several lean-to buildings.



BCSA

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STEELWORK ASSOCIATION,
ARTILLERY HOUSE,
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Right. Drawers and door fronts of this delightful nursery furniture exhibited in the 'Child in the Home' feature of the Homes & Gardens Pavilion are in grey linette FORMICA.

Extreme Right. Self service counters, table tops, food display cases, back fittings and doors are veneered in grey linette FORMICA in the Thames-Side Restaurant.



THE ROYAL FESTIVAL HALL

HEATING AND VENTILATION

INPUT

The auditorium is fed with warmed, washed air through fibrous plaster louvres in the main ceiling and through metal grilles under the balcony soffit. These are shown in the accompanying photograph. There are two separate plants, each serving one side of the hall. Behind and connected to the main ceiling louvres, fibrous plaster ducts run across the hall. These ducts are divided into sections, some of which are temporarily sealed off and will later be connected to additional air supply in the event of full air cooling.

To allow for the unequal occupancy of the auditorium, the total seating capacity has been split into 10 zones, each zone having a thermostatically controlled booster heater which is inserted in the branch duct, and adjusts the air temperature to offset the heat gain from the occupants within that zone.

These booster units are supplied from the two main air trunks 10ft. x 6ft. which run from the plant room at the south end of the roof space to the north end of the auditorium. At the north end the main trunks drop down in the corners of the auditorium and turn inwards, horizontally, into the space under the balcony seating, where branches feed the grilles in the balcony soffit. Thus the air fed from the main ceiling is directed towards the back of the auditorium while that from the balcony soffit is directed towards the orchestra.

At the south or orchestra end of the roof space the main trunks are connected to acoustic splitters to form a sound barrier between the auditorium and the plant room. Access from the auditorium roof space to the plant room is by means of a double doored cut-off lobby.

In the plant room itself the twin motors and silent running fans are spring mounted on a specially insulated floor.

The structural floor is covered with 3 inches of glass silk, compressed by the concrete basis of the ventilating plant to 1 inch in thickness. The wall between the plant room and roof space and the ceiling of the plant room are lined with perforated galvanized metal sheets behind which is a 2 inch thickness of rock wool, which completes this isolation of the plant room from the auditorium.

The fans are fed with air which has been passed through a preheater, a washer, a reheater and a fabric-type filter. This equipment on each plant is supplied from a chamber connected to the main intake duct, which is lined and divided longitudinally by acoustic splitter panels to reduce all external noise entering the building.

EXTRACT

The extract system starts at floor level where grilles are set in the risers under the seats. Stall grilles connect direct to an extract void below the seating and vertical ducts take the air to the outside of the building through extractor fans at high level at each northern corner of the auditorium.

The extracts under the balcony seats, allow the air to pass directly into the balcony void. In this void there is trunking which has adjustable openings in the sides, through which the air is sucked from the void to the extract fans.

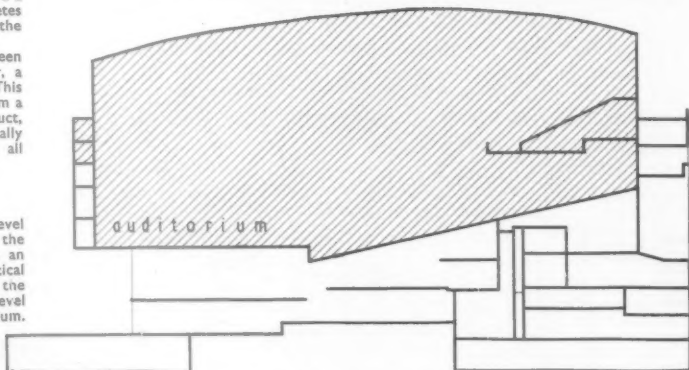
(Continued on page 270)

Designed by the L.C.C. Architects, Heating & Ventilation Section

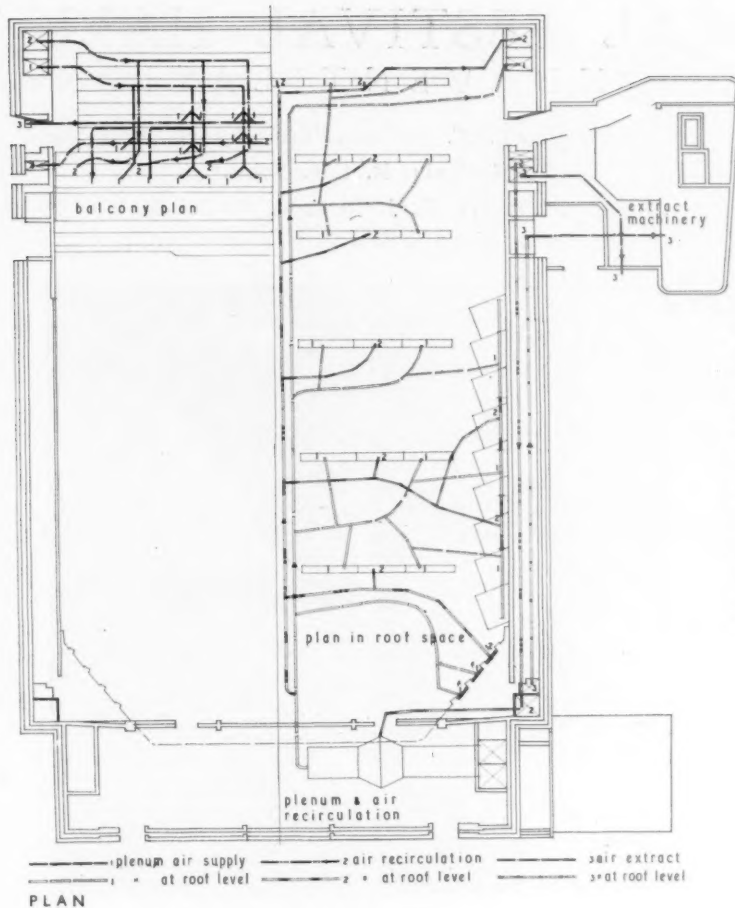
Principal: R. Coe, M.I.H.V.E.

Assistant: R. J. Dickson, M.I.H.V.E.

In association with the Council's Chief Engineer



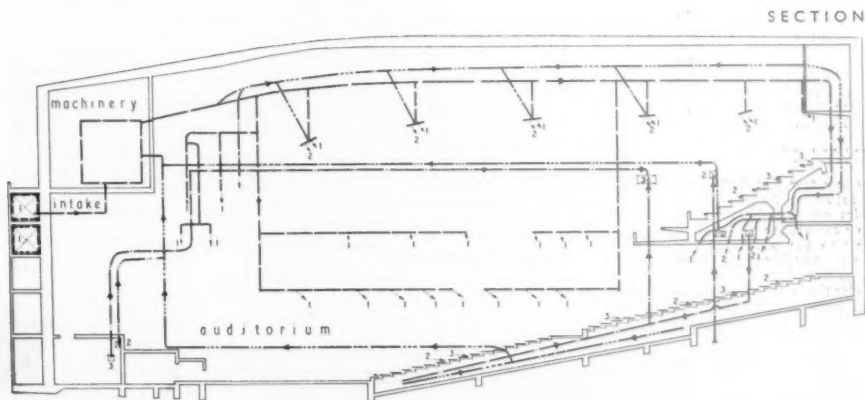
The diagram shows the area fed by the twin auditorium plants which are situated in the roof above the stage and draw fresh air from two ducts one above the other as shown in the left of the section.



Plan and section on this page illustrate the layout of the auditorium trunking. These may be compared with the illustration on page 269 which show: top left, one of the fibrous plaster ducts, in the foreground, fed by branches running from the booster unit in the right of the picture. The boosters connect with the main trunks shown, centre left column. The picture, bottom left, shows how the roof members pass through the ducts: those that do so being streamlined.

Top right one of the ducts at the point where it enters the plant room for connection to a fan. Note the ceiling construction of perforated metal sheets backed with rock wool insulation.

Centre, right: typical fan units uncovered and showing the rotary fins and bottom right the fabric filters through which the fresh air is passed before reaching the fans by way of a preheater, washer and reheater.



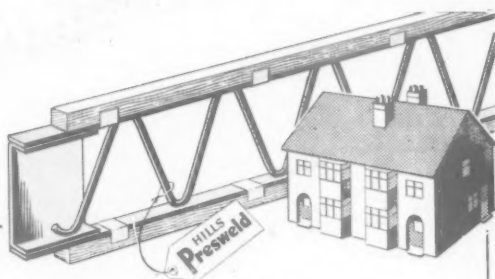


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Part of the kitchen of the Union Jac. Club, illustrating an eight unit central "Solid-top" gas range, General Purpose Ovens, Steam Boiling Pans and Griller. All apparatus was manufactured by Benham; the company also planned the kitchen and installed the Equipment.

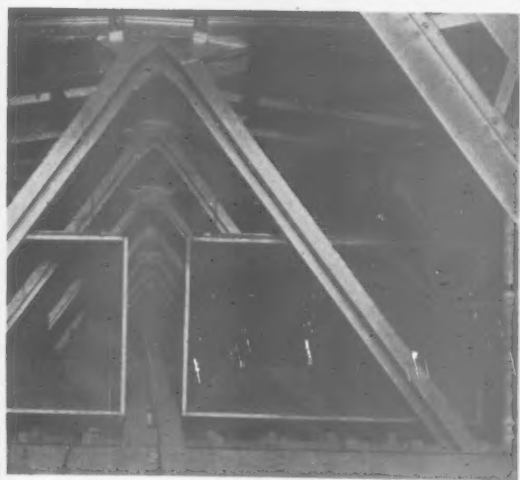
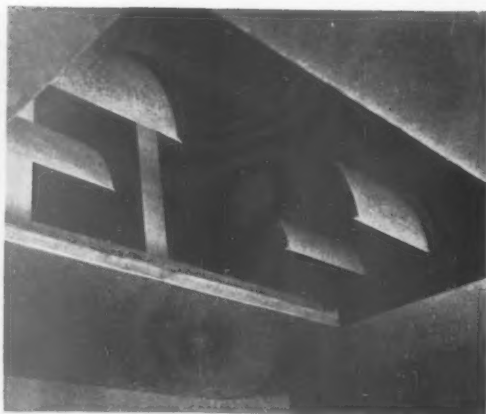
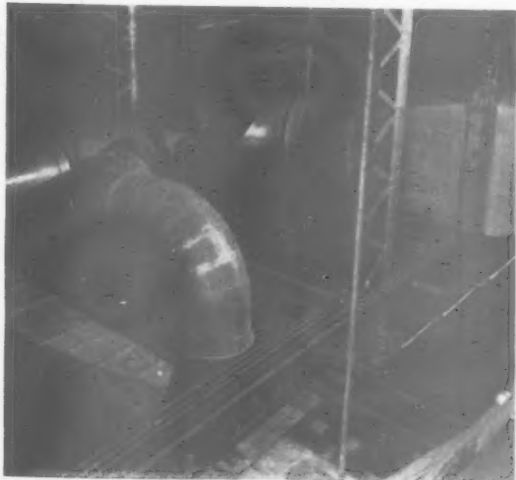
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(Continued from page 267)

SUBSIDIARY SYSTEMS

Since the extraction from the auditorium is 75 per cent of the air supplied, a pressure is maintained which ensures that no infiltration from the surrounding promenade spaces can occur.

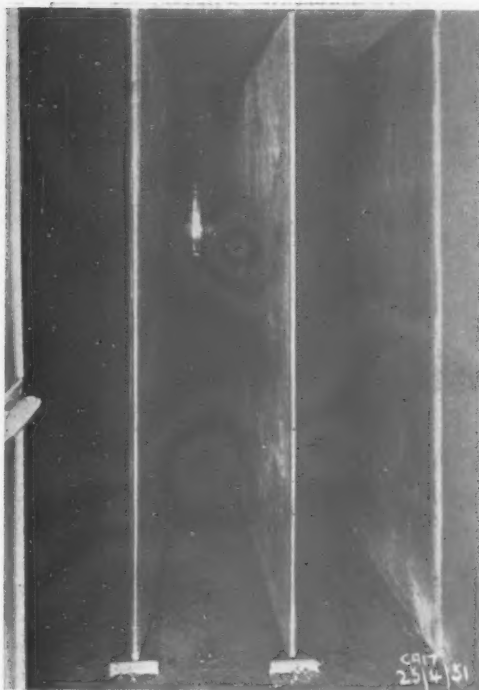
Two subsidiary systems are used in the auditorium. One of these is for use when the main auditorium ventilation is shut off at night. This system, also in duplicate, draws air from the auditorium, reheats and then passes it back into the auditorium through the main distributing ducts, thus maintaining a temperature of 50 deg when the Hall is not in use.

The second system supplies the instrument store. It is important that instruments should be kept at the temperature in which they are to be used. The instrument store is therefore served by trunking, connected to a separate fan set, which draws the air from the auditorium and delivers the air through special ceiling distributors. The air then escapes from the instrument store by a slit vent direct into the lobbies and circulation.

There is no other type of heating in the auditorium as it was essential to eliminate noise transfer through piping, etc.

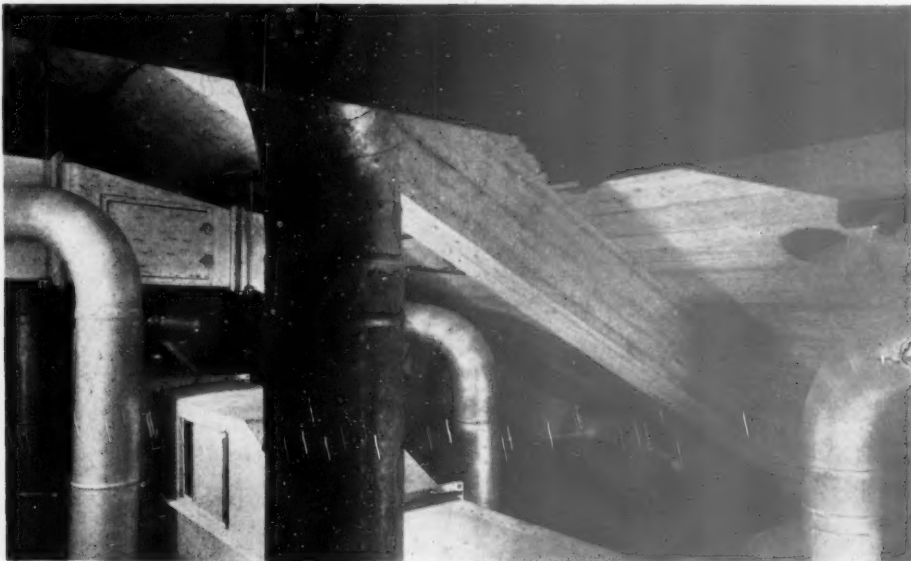
Closely connected to the auditorium are the practice rooms behind the orchestra. Air is supplied to and extracted from these rooms by a separate system. The main ductwork and branches are acoustically treated to eliminate external sources of noise and to prevent the transmission of sound from one room to the next. The location of the supply grilles is above the doorways and the extract grilles at floor level, diagonally opposite to the supply grilles. Electric convectors are provided in these rooms and also in the connecting corridor, in preference to the hot water convector, and so avoiding transmission of sound by pipework within the auditorium structure.

The next article will deal with the heating and ventilation of the foyers and restaurant.



Above: one of the main intake ducts showing the acoustic splitters of perforated metal containing rock wool.

Below, the void beneath the balcony seating. Here the downward curving ducts feed the balcony soffit input grilles. Extract air, from beneath the seating, passes direct into this void from the holes in the concrete, one of which is seen in the right of the picture. Thence it is drawn into the extract duct through the adjustable sliding panels, one of which is seen bottom left.



News of the BUILDING INDUSTRY

THE NEXT MEETING of the Building Teachers' Conference will be held at the premises of the National Federation of Building Trades Employers, 82, New Cavendish Street, London, W.1 on Saturday, November 17, 1951.

THE NEXT AREA GENERAL MEETING of The London Master Builders Association, Central Area No. 1, will be held at Derry & Tom's Restaurant, Kensington High Street, W.8, on Wednesday, September 12, 1951, at 2 p.m. and will be preceded by a luncheon at 12.45 for 1 p.m. As this will be the 100th Ordinary General Meeting, it has been decided to celebrate the occasion by entertaining the past Chairman of the Area since the date of its inception.

AT THE T.D.A. * Instructor's Course dinner, held at St. Catharine's College, Cambridge, on August 24, Mr. G. B. Crow, Chairman of the Planning Committee, said in his speech that with private importers bringing into the country nearly 750,000 Stds., and Timber Control imports amounting to another 1,000,000 Stds. this year, there was a prospective total import from all sources of softwoods of 1,750,000 standards. He said it would therefore become an urgent question to examine the possibilities of first increasing the rate of licensing and perhaps later the abandonment of the licence system.

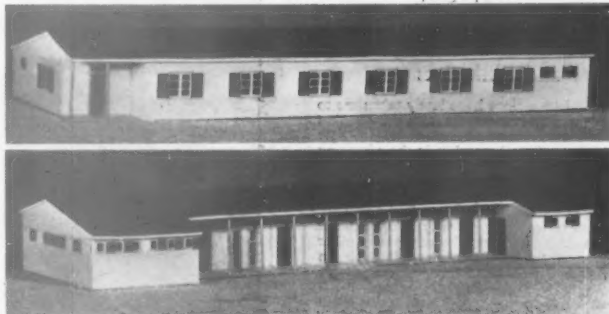
He said that the first concern was to rebuild our working stocks to a level which would not only provide adequate choice of specifications and a proper geographical distribution, but would also give the importer a measure of independence in his purchasing programme.

With reference to the Government's announced policy of stockpiling raw materials, Mr. Crow said little is known yet by the Trade of the total quantity of softwood aimed at. If, after rebuilding the commercial stock level and the strategic stockpile, there was a balance in excess of the present rate of licensed consumption, it is the Trade's contention, said Mr. Crow, that this balance should be absorbed into increased consumption.

IRON AND STEEL SCRAP controlled maximum prices have been increased as from August 27 by £2 per ton, except for compressed destructor scrap and two lower grades of unprepared process scrap. For these three grades the increase is 30s per ton.

THE KETTON PORTLAND CEMENT COMPANY has been given permission by the Minister of Local Government and Planning to build a Cement Factory at Dove Holes, Derbyshire. The Company proposes to build a one-kiln works to produce 100,000 tons of cement a year.

MR. C. E. COUSINS, Commissioner for Labour and Mines in Northern Rhodesia, in his annual report for 1950 just received in London says that "The lack of sufficient and adequate African housing has presented perhaps the greatest social problem of 1950. Not only is the present quantity of housing insufficient but the size and types of existing houses are proving unsuitable to the family requirements of a population that is growing ever more complex in its wants and urban in its way of life."



Model of Unitroy Homes for Children's Prefabricated Village, Mount Carmel.

THE YOUTH ALIYAH, a movement for resettlement in Israel of homeless Jewish children from all over the world, has dedicated a Children's Village to the late Maj. Gen. Charles Orde Wingate from funds raised in this country, to be opened in a few months' time.

The homes to be erected on the slopes of Mt. Carmel for over 150 orphans have been prefabricated by Unitroy and were inspected on Tuesday, August 28, at Stoke-on-Trent by Dr. Stross, M.P., where one of the frames has been erected by Bennis Mechanizations, Ltd. prior to shipment.

As far as is known, this is the first time that prefabricated buildings have been exported to Israel from the United Kingdom on so large a scale.

A feature of the new construction is "Unilite," a new wall incorporating Norfolk reeds, which resists fire, termites and moisture and can be erected in a month under the supervision of one skilled foreman.

BRITISH STANDARD FOR POWER-DRIVEN MOBILE CRANES (B.S. 1757: 1951) is a new British Standard which has been prepared to deal with road wheel mounted and tracked power-driven mobile cranes, and it covers several different types. These types include both the full slewing, part slewing and non-slewing types which may be either fully mobile on their own wheels or tracks, or fully mobile and mounted on lorries.

It also covers semi-mobile types and portable cranes.

This standard follows lines similar to the other crane standards by indicating minimum requirements with the intention of securing the general observance of such fundamental principles as are desirable to ensure reliability and safety without hampering the freedom of the crane makers in their selection of the most appropriate design. At the same time guidance is provided for the user regarding the types of crane covered by the standard.

The eight types of crane are described, and a number of the terms used in connection with them are carefully defined.

BRITISH STANDARD FOR POWER-DRIVEN DERRICK CRANES (B.S. 327, Pt. 1: 1951) is the fourth revision of this standard, which was originally published in 1928, has recently been issued by the British Standards Institution.

This new revision follows similar lines to the previous editions in that it indicates the minimum requirements for power-driven derrick cranes of the normal type, and is intended to secure the general observance of such fundamental principles as appear desirable to secure reliability and safety without hampering the freedom of the crane maker in his selection of the most appropriate design for the purpose in view.

The standard does not, however, deal with hand-operated cranes which have been converted to power operation, but those are dealt with in B.S. 327, Part 2, "Derrick cranes (hand-operated)" which is now undergoing revision.

The standard deals with Scotch derrick, Guy derrick and Tower derrick types of cranes, and lays down requirements relating to the crane as a whole, including electrical equipment and provisions for testing.

Copies of these new standards may be obtained from the British Standards Institution, Sales Department, 24, Victoria Street, London, S.W.1, price 6s, post free.

THE CITY AND GUILDS OF LONDON INSTITUTE for the Advancement of Technical Education, announce the appointment of Mr. J. W. Voelcker, A.C.G.I., B.Sc., A.M.I.E.E., as Secretary of the Institute to succeed Mr. G. C. Stephenson, A.C.A., who has now retired, but who will continue to help and advise in the work of the Institute.

COURSES AT TECHNICAL COLLEGES: As a practical step to the carrying out of its policy of emphasizing the importance of education for members of the building industry and also to stimulate interest in apprenticeship, the L.M.B.A. has published a revised edition of its memorandum on Building Courses at Technical Colleges and Schools in the London Region.

The first edition, published last year, was very well received, and still remains the only volume giving a complete list of technical schools and colleges in London. The new edition contains full details of building courses available at London technical colleges for the academic session 1951-2, and a map showing the exact position of the colleges. It is available to members on application to the Secretary, 47, Bedford Square, W.C.1.

GOOD, BAD OR INDIFFERENT?

No. 50.

By A. FOREMAN

Tub and Sink Sets

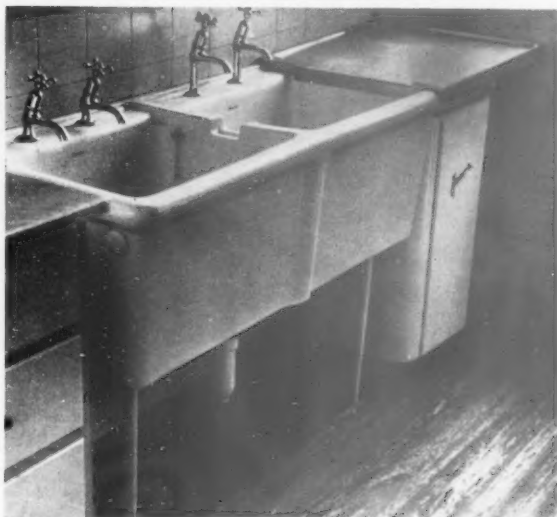
MY journeys have lately taken me to Scotland and, apart from the fact that I noticed there still seems to be a higher standard of workmanship in their housing than there is in the South, it reminded me of the existence of that extremely useful piece of kitchen equipment, the tub and sink set, so universally used in Scotland. I have often wondered why its use has not been insisted upon by housewives in other parts of these islands as it is such an excellent product. It seems to me to have many advantages over the normal " Belfast " sink or its metal equivalent; even the double metal sinks which are generally available have not quite the advantages of the tub and sink set, especially if laundry work has to be carried out in the kitchen, as neither part of these double sinks usually has the depth of the Scottish tub which is in the region of 13in inside. These tubs are by no means useful only for laundry work but are also very valuable for washing large pots and pans, the preparation of vegetables and similar operations where greater depth of water than that of the normal 8in inside the sink is helpful. My liking for this fitting was confirmed during my recent visit by the views of three London families whose work had taken them to Scotland since the war; they said that these fittings were one of the compensations for moving away from their home areas.

I admit a little more space in the kitchen may be occupied by a tub and sink set than by a sink alone, but as the tub usually has a loose draining-board cover there is little in this point when there are, as there should always be, two draining boards to the sink. These sets are made in either one- or two-piece units with a wringer fixture in the middle. It seems to me that the two-piece type has some advantages as, if necessary, either part may be replaced, should it become worn or damaged, without the need to scrap the whole combined fitting.

These fittings are sometimes equipped with two pairs of taps and sometimes with one pair and a swivel outlet. I notice that these fittings, presumably because of their wide use in Scotland, are covered by B.S.1229. For the benefit of those who do not know what these fittings look like I have borrowed the accompanying illustration of a typical example. There are types available with a back shelf through which the supplies rise, which are very neat in appearance.

Incidentally, another difference in Scottish houses which seemed to be appreciated by my friends from the South was the better-sized larders than those usually provided in pre-war private enterprise houses near London in which they formerly lived.

In my opening words I referred to better workmanship. I found this particularly noticeable in the joinery work in the more rural areas. When I asked one of the architects who also does much work in England, why this should be, he said it was due to the Scottish method of employing separate contractors for each trade. In England one accepts a general contractor because his work as a whole is good, but it does not follow that he is



equally good in all trades, whereas in Scotland, if the contractor for any individual trade proves not to be too good, he is not invited to tender for the next job. It seems to me that there may, therefore,

be some advantage in the Scottish method if it provides better work; the co-ordination of trades on the job does not seem to have any more difficulties than when the English method is adopted.

OFFICE BOOKSHELF

SOLID FUEL

There has been little, if any, reference information and data available to the designer, whether architect, works engineer or heating engineer, or to the fuel supplier on the subject of the handling and storage of large quantities of solid fuel, so that a new publication, "Architectural Design Data for Solid Fuel," issued by the Coal Utilization Joint Council, price 7s 6d, fills a very real gap in knowledge. The book has been prepared for the C.U.J.C. by Mr. John Pinckheard, A.R.I.B.A. The information is very well presented in a manner easy to follow and understand both as regards the text and the excellent diagrams. The information is thoroughly comprehensive and ranges over space requirements, the behaviour of stored coal, the volume of heaps, design of open-air storage and storage within buildings. Data relating to vehicles used for delivery are given while there are helpful diagrams of the relationship of storage to boilers and how the fuel should be handled between the two positions. There is also a very useful section on ash removal.

The section on fuel delivery is very interesting and it should be hoped that there will be an increasing use in this country of the types of vehicles illustrated, together with the associated conveyors, in order to eliminate so much of the hard work, dirt and waste of manual handling.

The final section of the book is directly related to the fuel storage requirements of particular types of buildings and boiler installations and should be very valuable guidance.

There are two appendices, the first of which deals with notes on the construc-

tion of retaining walls for open-air storage bays and the second gives a method of approximate estimation of fuel consumption.

This book is certainly well worth careful perusal by all associated with the large-scale use of solid fuel; it is an excellent sequel to the previous C.U.J.C. publications on Fuel Storage in Small Houses and Flats.

PLASTERING

For students of plastering, "Plastering," by J. T. Sawyer (Edward Arnold & Co., price 8s 6d), will be found to cover the Intermediate syllabus of the City and Guilds Institute. The contents cover the plasterer's craft in considerable detail in twelve chapters. The first three chapters give very full information, adequately illustrated with diagrams, on tools, on plant and equipment and on materials used by the plasterer. The fourth and fifth chapters discuss templates and the running of moulds. Plain interior and exterior plastering are treated at considerable length, again with ample diagrams, and are followed by chapters on the formation of interior and exterior mouldings. A separate chapter deals with fibrous plasterwork on the bench but little is said regarding its ultimate fixing and finishing.

The penultimate chapter gives brief information on measuring and estimating which might, with advantage, have been expanded a little more. The final chapter is devoted to the essential geometry needed for setting out arches, mouldings and the like.

On the whole this should be found to be a useful book for the student and possibly also as a refresher to the craftsman.

Notes below give basic data of contracts open under locality and authority which are in bold type. References indicate: (a) type of work, (b) address for application. Where no town is stated in the

CONTRACT • NEWS •

BUILDING

OPEN

AIREBOROUGH U.C. (a) 15 houses, Bolton House Estate, Yeadon. (b) Engineer and Surveyor's Office, Council Offices, Mickfield House, Rawdon, nr. Leeds. (c) 2gns. (e) Sept. 21.

ALTON R.C. (a) 3 pairs of aged persons' bungalows and site works at East Tisted. (b) Council's Engineer, Council Offices, Barton End. (c) 3gns. (e) Oct. 3.

BAILDON U.C. (a) 30 houses, Knoll Estate. (b) Messrs. William Illingworth and Son, 15, Sunbridge Road, Bradford. (e) Sept. 15.

BILLERICAY U.C. (a) Conveniences at Billericay, Pitsea, Wickford and Langdon Hills. (b) Council's Surveyor, Council Offices, High Street. (c) 2gns. (e) Sept. 17.

BOURNEMOUTH B.C. (a) Contract S.24. 12 pairs of houses, Stourfield Estate. Contract S.4. 2 pair of bungalows, Stourfield Estate. Contract S.28. Contracts S.24 and S.4 grouped. (b) Borough Architect's Office, Room 101, Municipal Offices. (c) 2gns each contract. (e) Sept. 18.

BRIGHTON B.C. (a) 60 flats in 3 blocks and 3 blocks of stores in Lewes Road. (b) Borough Engineer, 26-30, Kings Road. (c) 2gns. (e) Oct. 2.

BRIGHTON B.C. (a) 65 houses on Section 3A, North Brighton Estate. (b) Borough Engineer, 26-30, Kings Road. (c) 2gns. (e) Oct. 2.

BRIGHTON B.C. (a) Public convenience, Blakers Park. (b) Borough Engineer, 26-30, Kings Road. (c) 2gns. (e) Sept. 17.

CHATHAM B.C. (a) Block of 28 flats, Jenkins Dale. (b) Borough Engineer, Town Hall. (c) 3gns. (e) Sept. 24.

CROYDON B.C. (a) Separate groups of 16, 22, 38, 56, 61, 66 and 150 houses, New Addington Estate. (b) Borough Engineer, Town Hall, stating number of groups for which they wish to tender. (c) 5gns.

EAST SUSSEX C.C. (a) Battle Secondary Modern Mixed School. New school for 360 pupils. (b) J. Catchpole, County Architect, County Hall, Lewes. (d) Sept. 3. (e) Oct. 5.

EAST RIDING OF YORKSHIRE E.C. (a) Construction of superstructure of a junior and infants' school at Hessie, near Hull. (b) Messrs. Johnson and Crabtree, 20, Priory Place, Doncaster. (c) 1gn. (e) Oct. 18.

ERPINGHAM R.C. (a) 4 dwellings at Plumstead, 4 at Wickmere and 4 at Suffield. (b) Council's Architect, Council Offices, St. Peter's Road, Sheringham. (c) 2gns. (e) Sept. 15.

address it is the same as the locality given in the heading, (c) deposit, (d) last date for application, (e) last date and time for submission of tenders. Full details of contracts marked ★ are given in the advertisement section.

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FOLKESTONE B.C. (a) Contract No. 7. 20 flats, Biggins Wood site. (b) Borough Engineer, Municipal Offices, West Terrace. (c) 3gns. (d) Sept. 10.

GIPPING R.C. (a) 6 houses at Debenham. (b) Engineer and Surveyor, Council Offices, Needham Market, nr. Ipswich. (c) £3. (e) Sept. 24.

HASLINGDEN B.C. (a) 4 houses at Helmshore Road, and 2 houses in Meadows Avenue, Longshoot (all trades). (b) Borough Engineer, Municipal Offices, Haslingden, Rossendale, Lancs. (c) 2gns. (e) Sept. 19.

HASTINGS B.C. (a) 98 houses, Blacklands Farm Estate, Hollington. (b) Borough Engineer, 37, Wellington Square. (c) 3gns. (e) Oct. 5.

HUDDERSFIELD B.C. (a) Secondary school at Rawthorpe (separate trades). (b) Education Architect, Education Offices, Ramsden Street. (c) 3gns. (e) Sept. 20.

ILFORD B.C. (a) 22 old peoples' flats at The Glade, Claybury Estate. (b) Borough Engineer, Town Hall. (c) 5gns. (e) Sept. 25.

LEEDS C.C. (a) Adel (Low Farm) primary school. (b) City Architect, Priestley House, Quarry Hill. (c) 3gns. (e) Sept. 24.

LEICESTER C.C. WATCH COMMITTEE. (a) 10 police houses at Braunstone Avenue and Fulhurst Avenue. 8 houses at Caledine Road and Frolesworth Road. 6 houses at The Fairway, Saffron Lane. (b) City Architect's Office, 10, Loseby Lane. (c) £1 each contract. (e) Sept. 14.

LITTLEHAMPTON U.C. (a) Contract No. 5. 12 houses at Wickbourne. (b) Engineer and Surveyor, Council Offices, Manor House. (c) 2gns. (e) Sept. 26.

LIVERPOOL REGIONAL HOSPITAL BOARD. (a) Extensions to Block "G" and demolition of adjoining buildings at Walton Hospital. (b) Regional Architect, Liverpool Regional Hospital Board, 5th Floor, Premier Buildings, 88, Church Street. (c) 2gns. (e) Sept. 14.

LIVERPOOL REGIONAL HOSPITAL BOARD. (a) Additions to Ward 26 at Sefton General Hospital. (b) Regional Architect, Liverpool Regional Hospital Board, 5th Floor, Premier Buildings, 88, Church Street. (c) 2gns. (e) Sept. 14.

LIVERPOOL C.C. (a) County primary school, Croxteth Estate. (b) City Architect's Office, Blackburn Chambers, Dale Street, Kingsway. (c) 2gns. (e) Sept. 14.

LONDON—BETHNAL GREEN B.C. (a) 51 flats, Lansell Place Area. (b) Town Clerk, Town Hall, E.2. (c) 5gns.

LONDON—WANDSWORTH B.C. (a) 8 aged persons' dwellings, Herlwyn Gardens, Tooting. (b) Town Clerk, Municipal Buildings, S.W.18, with details of plant, labour and supervisory staff available and names of 2 financial and 2 technical referees. (d) Sept. 12.

LOWESTOFT B.C. (a) Rebuilding of 6 war destroyed houses in Notley Road. (b) Borough Engineer's Office, Town Hall. (c) 2gns. (e) Sept. 20.

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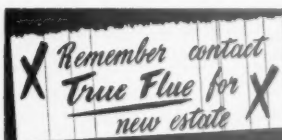
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MARKET HARBOROUGH R.C. (a) 6 houses at Saddington and 12 houses and 1 garage at Fleckney. (b) Council's Clerk, Council Offices, 42, High Street. (c) 2 gns. (e) Sept. 24.

MARTLEY R.C. (a) 8 houses, sewage disposal works and site works at Wichford. (b) Mr. E. J. Turner, 1, The Tything, Worcester. (c) 2gns. (e) Sept. 26.

MERIDEN R.C. (a) 22 houses, Hockley Lane, Allesley. (b) Engineer and Surveyor's Office, The Old Vicarage, Coleshill, near Birmingham. (c) 2gns. (e) Sept. 20.

N. IRELAND—BELFAST C.C. (a) 5 shops and 10 flats in 2 blocks on the Highfield Estate. (b) Housing Architect's Dept., 94, Chichester Street. (c) £5. (e) Sept. 19.

N. IRELAND GOVERNMENT. (a) Radio station at Gilnahirk, Belfast. (b) Ministry (Room 103), Law Courts Building, May Street, Belfast. (c) £5. (e) Sept. 24.

N. IRELAND HOSPITALS AUTHORITY. (a) Extension of nurses' home at Derg Valley Hospital, Castle-derg. (b) Secretary, Tyrone County Hospital, Omagh. (e) Sept. 15.

PETWORTH R.C. (a) Conversion of Womens Land Army hostel into 6 flats. (b) Building Surveyor, "Newlands," Petworth. (e) Sept. 17.

PLYMOUTH C.C. (a) Demolition of cottages, site clearance and foundation works and drainage for first block of Technical College. (b) H. J. W. Stirling, A.R.I.B.A., Municipal Offices. (c) 3gns. (d) Sept. 7.

QUEENSBURY AND SHELF U.C. (a) 10 bungalows and construction of service road at rear of Council Offices. (All trade tenders). (b) Engineer and Surveyor, Council Offices, Queensbury. (c) 2gns. (e) Sept. 25.

READING B.C. (a) Extension to house filtration plant at King's Meadow Swimming Bath. (b) Borough Architect, Town Hall. (c) 2gns. (e) Sept. 20.

REDCAR B.C. (a) 2 blocks of 4 shops and maisonettes, Dales Estate. (b) Borough Engineer, Municipal Buildings. (c) 5gns. (e) Oct. 24.

SALE B.C. (a) 6 shops with 6 maisonettes above, Oaklea Farm Estate. (b) Messrs. Cordingley and McIntyre, 180, Oxford Road, Manchester, 13. (c) 2gns. (d) Sept. 14.

SALOP C.C. (a) New central ambulance depot, Shrewsbury. (b) County Architect, Column House, London Road, Shrewsbury. (c) 2gns. (e) Oct. 5.

SCOTLAND—RUTHERGLEN B.C. (a) 3 blocks of flats at Spittal Service Road, Croftfoot Road. (Separate trades). (b) Burgh Surveyor, Town Hall Buildings (specifying trades). (d) Sept. 15.

SOUTH CAMBRIDGESHIRE R.C. (a) 12 houses at Sawston. (b) Council's Architect, County Hall, Hobson Street, Cambridge. (c) 2gns. (e) Sept. 18.

SOUTHAMPTON B.C. (a) War damage and other repairs to Taunton's School. (b) Borough Architect, Civic Centre. (c) £2. (d) Sept. 4. (e) Oct. 8.

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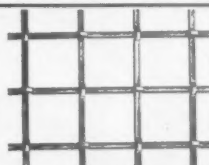
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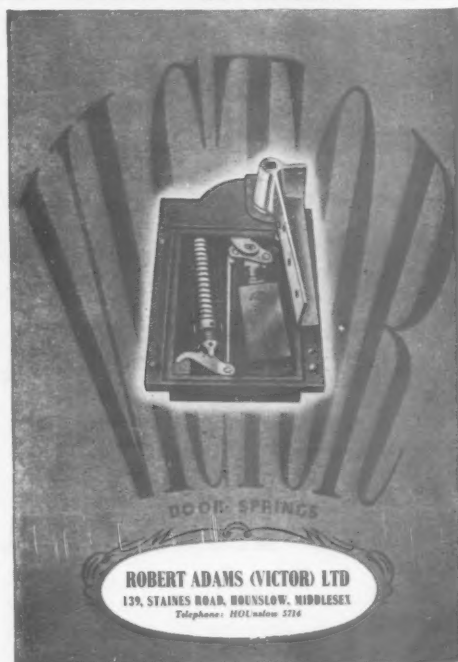
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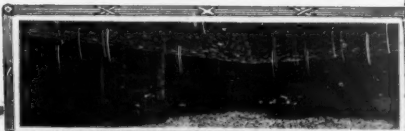
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APPOINTMENTS

NATIONAL COAL BOARD.

NORTH-EASTERN DIVISION.

APPLICATIONS are invited for the following appointments in the Architect's Department at Doncaster, near Doncaster.

ARCHITECTURAL ASSISTANTS GRADE I
Salary scale: £410×20 to £550 per annum (men); £340×15 to £445 per annum (women).

Applicants should be preparing for the Intermediate Examination of the R.I.B.A. and should have some experience in the preparation of sketch plans, working drawings and specifications and have a good knowledge of building construction.

ARCHITECTURAL ASSISTANTS GRADE II
Salary scale: £300×20 to £440 per annum (men); £247×15 to £352 per annum (women).

Applicants should be probationers of the R.I.B.A. and be actively engaged in study for the Intermediate Examination.

QUANTITY SURVEYING ASSISTANTS GRADE I

Salary scale £410×20 to £550 per annum.

Applicants should have had at least two years' office training and some experience in "Working Up." Preference will be given to Students of the R.I.C.S. who are preparing for the Intermediate Examination (Quantities Section) of the R.I.C.S.

JUNIOR QUANTITY SURVEYING ASSISTANTS

Salary scale £100 to £338 per annum (according to age).

Applicants must hold School Certificate with four credits (one of which must be mathematics) or the equivalent thereof and be prepared to take the examinations (Quantities Section) of the R.I.C.S.

The work of the Department covers Pithead Baths, Canteens, Medical Centres, Workshops, Offices, Laboratories, Recreation Buildings, etc.

Applications for the above appointments should be made on Form S.8A obtained from the Establishments Officer, National Coal Board, North-Eastern Division, Rannor Hall, Belgrave Road, Sheffield, 10. [5744]

WILLENHALL URBAN DISTRICT COUNCIL

HOUSING ARCHITECT'S DEPARTMENT

APPLICATIONS are invited for the appointment of SENIOR ASSISTANT ARCHITECT in Grade VI (£645-£710) of the National Scales.

Applicants must be Associate Members of the R.I.B.A. and have experience in the design and construction of large housing developments, including shopping areas.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, to the National Scheme of Conditions of Service, and to the passing of a medical examination.

Applications, stating age, qualifications, experience, past and present appointments with dates and salary, and the names of two referees, must be sent to R. T. Chappell, A.R.I.B.A., Housing Architect, Town Hall, Willenhall, Staffordshire, not later than 27th September, 1951.

JOHN R. RIDING,

Clerk of the Council. [5753]

BOROUGH OF CHATHAM

APPOINTMENT OF ASSISTANT ARCHITECT

APPLICATIONS are invited for the appointment of ASSISTANT ARCHITECT within Grade V (£570-£620).

HOUSING ACCOMMODATION WILL BE MADE AVAILABLE IF REQUIRED.

Conditions of appointment and form of application may be obtained from Mr. H. D. Peake, M.Sc.(Eng.), Borough Engineer and Surveyor, Town Hall, Chatham, to whom completed application forms should be returned not later than Tuesday, 25th September, 1951. [5754]

APPOINTMENTS—contd.

COUNTY COUNCIL OF THE WEST RIDING OF YORKSHIRE.

COUNTY ARCHITECT'S OFFICE.

APPLICATIONS are invited for the appointment of an ASSISTANT ARCHITECT at the Divisional Office, Baine Lane, Wakefield. Salary Range: £570-£620. Candidates should be qualified and have had a thorough training and experience in architectural and building work.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, as amended by the W.R.C.C. (General Powers) Act, 1948, and to the Conditions of Service at present in operation by the County Council. The successful candidate will be required to pass a medical examination.

Applications, on forms obtained from this office, must be delivered not later than first post on Monday, the 17th September, 1951.

HUBERT BENNETT, F.R.I.B.A.,

County Architect.

"Bishopgarth,"
Westfield Road,
Wakefield.

[5746]

BURGH OF COATBRIDGE.

TOWN PLANNING OFFICER.

APPLICATIONS are invited for the appointment of TOWN PLANNING OFFICER for the Burgh of Coatbridge.

Applicants, who should be qualified Architects and also Members of the Town Planning Institute, must have executive and administrative experience not only in design, preparation of working drawings, specifications, quantities for the erection of houses and offices, but more particularly experience in the preparation of Town Planning Schemes.

The successful applicant must be under 45 years of age and will be admitted to the Town Council's Superannuation Scheme subject to passing a medical examination before appointment.

The salary will be £850 to £900 per annum by two annual increments of £25.

Consideration will be given to applicants requiring housing accommodation.

Applications, stating age, qualifications and experience, together with copies of three recent testimonials, must be lodged with the undersigned not later than fourteen days after the appearance of this advertisement.

ALEXANDER S. THOM,

Town Clerk.

Municipal Buildings,

COATBRIDGE.

27th August, 1951. [5747]

KENT COUNTY COUNCIL

PLANNING DEPARTMENT

SENIOR PLANNING ASSISTANT

APPLICATIONS are invited for a post of SENIOR PLANNING ASSISTANT in the PLANNING DEPARTMENT. The salary scale is £570-£760 per annum. The commencing point in the scale will be fixed according to qualifications and experience. Applicants should be Corporate Members of the Town Planning Institute or possess some other appropriate professional qualification and have had experience in town and country planning.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination.

Applicants may if they wish state a preference for work in West, East or Mid-Kent.

Applications in own handwriting, stating age, education, qualifications, previous experience, present position and salary, and the names and addresses of two persons to whom reference may be made as to professional ability and character, and endorsed "Senior Planning Assistant," must reach the County Planning Officer, County Hall, Kent, not later than 29th September, 1951.

W. L. PLATT,

Clerk of the County Council.

County Hall, Maidstone.

24th August, 1951. [5751]

APPOINTMENTS—contd.

CITY AND COUNTY OF LICHFIELD.

CITY SURVEYOR'S DEPARTMENT.

APPOINTMENT OF ARCHITECTURAL ASSISTANT.

APPLICATIONS for the above appointment are invited from persons experienced in the design of municipal houses and the preparation of specifications. Salary will be in accordance with Grade A.P.T. III or IV according to qualifications and experience.

The appointment will be terminable by one month's notice on either side.

Applications, endorsed "Architectural Assistant," stating age, present appointment, qualifications and experience, and accompanied by copies of two recent testimonials, should reach me not later than 15th September, 1951.

HENRY J. CALLENDER,

Town Clerk.

Guilddall,
Lichfield.

28th August, 1951. [5748]

COUNTY COUNCIL OF INVERNESS

PLANNING DEPARTMENT

APPLICATIONS are invited for the appointment of JUNIOR TOWN PLANNING ASSISTANT in the Town Planning Section of the County Architect's Department. Salary scale A.P.T. Grade I, £430-£475.

Candidates must be neat and accurate draughtsmen, and preferably have had experience in a Planning Office. The appointment will be subject to the provisions of the Local Government Superannuation (Scotland) Act, 1937, and the successful candidate will be required to pass a medical examination.

Applications, stating age, qualifications and experience, accompanied by copies of not more than three recent testimonials, should be lodged with the undersigned within two weeks of this advertisement.

R. WALLACE,

County Clerk.

County Buildings,
Aldross Street,
Inverness.

[5755]

URBAN DISTRICT COUNCIL OF CORBY

APPOINTMENT OF TRACER/ DRAUGHTSMAN (MALE OR FEMALE)

APPLICATIONS are invited for the above appointment in the department of the Engineer and Surveyor at a salary in accordance with Grade III of the Miscellaneous Division of the National Scale of Salaries commencing at £355 per annum. The provisions of the Local Government Superannuation Act, 1937, will apply.

Applicants must be neat and expeditious draughtsmen well experienced in the tracing of Architectural and Engineering drawings and tracings from ordnance maps and must be able, also, to undertake lettering thereon of a high standard.

Housing accommodation will be made available to the selected candidate (if married) after a period of three months' satisfactory service.

Application forms, to be obtained from the undersigned, should be completed and submitted not later than 9 a.m. on Friday, 21st September, 1951.

G. B. BLACKALL,

Clerk of the Council.

Council Offices,
Corby, Northants.
31st August, 1951. [5757]

CITY OF LEICESTER.

APPLICATIONS are invited for the appointment of MAINTENANCE ARCHITECTURAL ASSISTANT in the City Surveyor's Department. The salary will be in accordance with Grade A.P.T. IV-VI (£530-£710), according to qualifications and experience, and the appointment is subject to the provisions of the Local Government Superannuation Act, 1937.

Applicants should have a good knowledge of architectural practice and be experienced in the maintenance of buildings, preparation of specifications, plans and supervision of work.

Applications, including age, qualifications and experience, together with copies of testimonials, should reach the undersigned not later than 22nd September, 1951.

JOHN L. BECKETT, M.INST.C.E.,

City Surveyor.

Town Hall,
Leicester.

[5749]

APPOINTMENTS—contd.

COUNTY BOROUGH OF BURY

APPLICATIONS are invited for the position of **ARCHITECTURAL ASSISTANT** in the Borough Engineer's Department. Salary up to A.P.T. V (£570-660).

The commencing salary will be determined in accordance with the qualifications and experience of the applicant and the salary scale for such positions prescribed by the National Joint Council. The appointment is subject to the Local Government Superannuation Act, 1937, and to medical examination.

Applications, stating age, details of training, qualifications and experience, together with the names and addresses of two persons to whom reference may be made, must reach me not later than the 15th September, 1951.

EDWARD S. SMITH,

Town Clerk.

Town Hall,
BURY.

1st September, 1951.

[5752]

AXBRIDGE RURAL DISTRICT COUNCIL

APPLICATIONS are invited for the position of **AN ENGINEER AND SURVEYOR** to the Council at a commencing salary of £1,000 per annum, rising subject to a satisfactory service, by annual increments of £50 to a maximum of £1,400.

The Council has an extensive water supply undertaking and the successful candidate will be required to carry out the maintenance of the existing works and the design of new works and extensions, together with the maintenance of the existing Sewage Disposal Works and the design of new works and extensions. When the present arrangement under which a firm of private Architects acts for the Council is terminated, he will be called upon to accept responsibility, with the necessary technical assistance, for the design and erection of Council Houses.

The Council has adopted the recommendations of the Joint Negotiating Committee for Chief Officers of Local Authorities and the Conditions of Service recommended by that Committee are applicable to the post.

The appointment will be subject to three months' notice on either side and to the provisions of the Local Government Superannuation Act, 1937. The successful candidate will be required to take up his appointment on the 1st January, 1952.

A house will be made available to the successful applicant for a period after his appointment.

Applications, giving full particulars of age, experience and previous Local Government service, with the names of two persons as referees, must be received by the undersigned not later than 18th September, 1951.

Canvassing will disqualify.

FRANK K. C. ADAMS,

Clerk of the Council.

Council Offices,
AXBRIDGE, Somerset.

1st September, 1951.

[5760]

CONTRACTS

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Tenders, enclosed in plain sealed envelope not bearing any mark or name indicating the sender and endorsed "Erection of 20 Bungalows, Park Road Site," must be sent to the undersigned not later than noon on TUESDAY, 25th September, 1951.

The Council do not bind themselves to accept the lowest or any Tender.

C. J. READ JOHNSON,

Clerk of the Council.

Council Offices,
Manor House,
Mansfield Woodhouse.

[5758]

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SITUATIONS VACANT—contd.

STRUCTURAL draughtsman required for Lemsington Spa area, experience in design of industrial buildings and alterations necessary. Knowledge of building work would be an advantage.—Copies of testimonials and salary required to Box 3013. [0111]

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DESIGNER/DRAUGHTSMAN, junior, required by reinforced concrete engineers in Southern Rhodesia, good experience drawing essential with some knowledge designing, salary about £700 and fare paid.—Reply giving full particulars experience, etc., to Box J.452, c/o Jackson's, 16, Gracechurch St., E.C.3. [5745]

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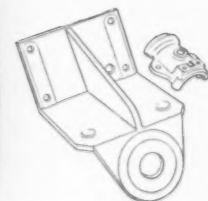
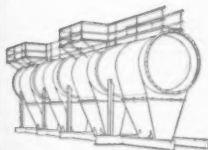
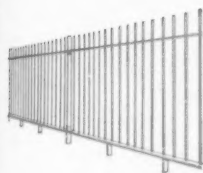
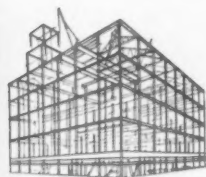
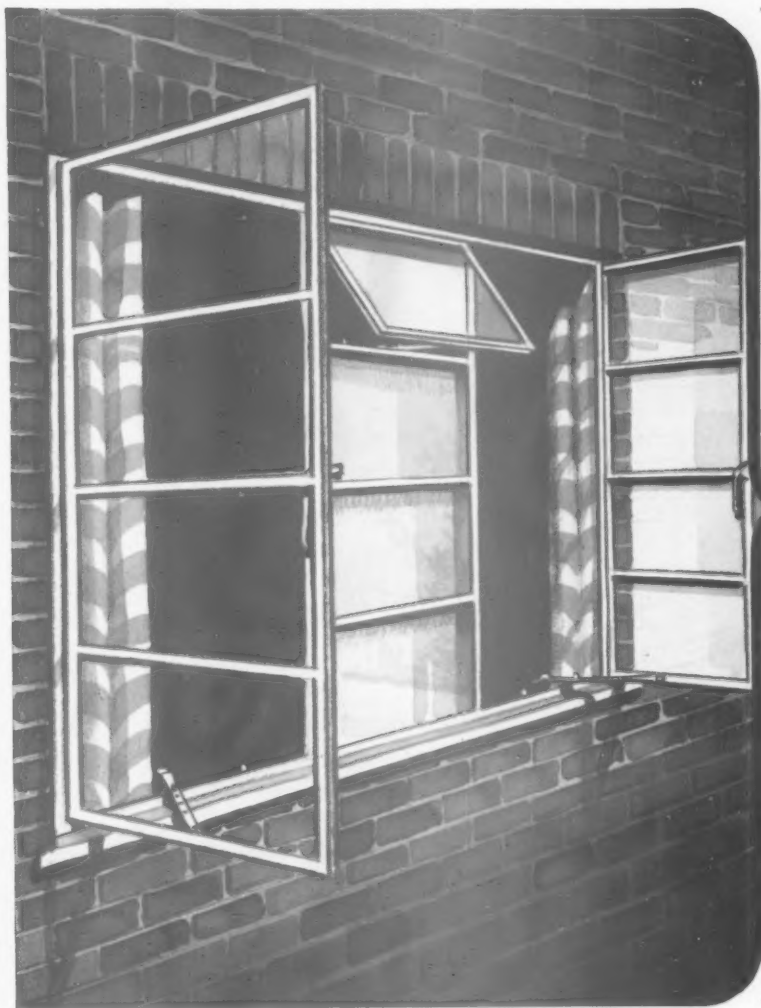
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Official Notices, Tenders, Auction, Legal and Miscellaneous Appointments on pages 36 and 37

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Association	25	Highways Construction, Ltd.	34	Neuchatel Asphalt Co., Ltd.	28	Inside Front Cover	
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